



The Resonator

Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

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www.FairLawnARC.org

June 2022

Member Profile

NAME: Kenneth Cheng

CALL: W2SCT

What do you do/what did you do for a living?

I am a retired oral and maxillofacial surgeon and practiced in Mamaroneck , N.Y. and Closter, N.J. I practiced the full scope of the specialty including jaw reconstruction, facial trauma, dental extractions, dental implants and general anesthesia. While in private practice, I was an attending and clinical instructor at The Westchester County Medical Center and Montefiore Hospital. In 2001 after 9/11, I decided to retire from my lucrative private practice and took a position at The New Jersey VA Hospital in East Orange where I was section chief for 20 years. Those years were the most satisfying of

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From The President

Dear FLARC Family,

I wish to start my message with a big... THANK YOU!!!

Once again FLARC Rocks "the house"... We had a wonderful, successful 2nd Annual FLARC Hamfest. And why did that happen? Because of you. Your dedication, interest, help, support, work, contribution... and I can go on. These are the moments that make me proud of being a FLARC Member and working along with a wonderful group of human beings. You know who you are, and however you joined us to make this event successful, again, THANK YOU.

I was able to walk around the grounds several times and many, many people were grateful for this event and expressed their gratitude to FLARC for having such an organized and well attended Hamfest.

I even travelled the day after to Long Island to participate in LIMARC's Hamfest and even there, friends that had visited us the day before, buyers and sellers, came to me to give their feedback on our Hamfest and they had positive comments, some even "can't wait for next year."

So my dear FLARC Family, things look good and believe it or not, we must start thinking of 2023. Knowing the motivation MANY at FLARC have, I have no doubt that 2023 will be even better. I trust that the membership, veterans and newbies, will continue to get involved and continue to place our good name out there and let all know what we do.

And speaking of successful events, we WILL have another one at the end of the month and that is our annual Field Day. June 25 and 26 is a weekend that we need you with us. Some of us will start a couple of days prior, with the actual setup preparations at Memorial Park. I hope to see the natural involvement of our members to make this another fabulous event. Remember, it takes more than just sit down and operate one of the stations. There are many things

Continued on next page.

Member Profile, continued

my career. It was an honor and privilege to serve New Jersey's veterans.

How did you get interested in ham radio?

Like many hams, my interest in ham radio started with a Christmas gift of a pair of Lafayette CB walkie talkies. My QSOs were limited to my sister, who eventually got sick of talking to me in this format so I needed to look elsewhere. Fortunately, there was a ham radio club at the Teaneck PAL (WB2NUW) which had a small building on Belle Avenue – which was clearly visible from Route 4. This building has since been torn down. At the age of 14, I passed my novice test which included a 5 wpm CW component. I was assigned the call WN2SCT. My novice station consisted of a Knight Kit T60 transmitter which I built, a Hallicrafters SX140 receiver and a 40 meter dipole. The sun was cooperative back then, and DX on 15 meters was abundant even with a crystal-controlled transmitter and dipole. I will always remember working JA1MIN on 15-meter CW.

Back then, the novice ticket was only good for a year so there was great incentive to upgrade. I failed my general test because I choked on the CW portion (13 wpm) but passed the written, so I got a tech license instead and became WB2SCT. Soon after, I took the general exam again and passed.

I enjoyed the privileges of the general class license while still in high school and made many memorable contacts with my Swan 350C (mine didn't drift after warming up). I didn't do much ham radio in college on the West Coast (Stanford) but the school did have an excellent ham station (W6YX) which consisted of a Collins S-line including a 30S1 amplifier and yagi antennas. I'll never forget that the front of the S-line was deliberately spray painted with red paint for security reasons. I primarily used the station for phone patches to call home, but did

Continued on next page.

From The President, continued

going on simultaneously that make or break Field Day. That's why we count on you. Please reach out to Noel W2MSA, our Field Day Chairman this year, and tell him you want to help. Everyone is needed... New members, old members... Everyone can contribute to this important event, which is tradition within our club and beyond.

Contact Noel, W2MSA at noelw2msa@gmail.com and sign up for guaranteed fun June 25 and 26.

Everyone, enjoy your summer, and with all the good things lined up for the season, I hope you include FLARC as part of your plans for the next couple of months. We'll keep you informed.

Please, be safe, stay healthy and "I'll see ya on the radio".

73,
Nomar, NP4H
FLARC President

This Month's Member Profile



Look for Ken's profile starting on page 1.

TNX To Gordon W2TTT

A tip of the FLARC cap to Gordon for filling in on short notice for Friday the 13th's change of *Kawfee Tawk* speaker on short notice. A great presentation on 6 meter DX off the cuff... again, thanks to Gordon.

Frank Donovan W3LPL will be back on our *Kawfee Tawk* calendar in the next couple of weeks. Keep an eye out for it!

FLARC To Hold VE Testing On June 18th

On June 18, 2022 Fair Lawn Amateur Radio Club will continue amateur radio test sessions.

The location is at:

The Fair Lawn Recreation Center
10-10 20th Street
Fair Lawn, NJ

NOTE THAT THIS IS AN INDOOR LOCATION!

Covid-19 related incidents will cancel testing.

Prior to Testing:

Send an email to wo2w@arrl.net requesting to book your spot. **Pre-registration is REQUIRED.**

Please Bring With You:

- You **MUST** bring and **WEAR** personal PPE items including a face mask
- 2 pens and 2 pencils. None will be provided to you due to possible virus transmission
- Your FRN number, and (if licensed) a copy of your ham license or a valid CSCE (Certificate of Successful Completion Exam)
- A completed Form 605 (which will be sent to you ahead of your test session, along with your assigned test time.)
- Additionally, the **\$15.00 exam fee**. This is payable in cash (**exact amount is a must**); **new rule:** a fee of \$35 must be paid to FCC directly after passing the test (get details from Examiner).
- 3 copies of the CSCE form which will be sent to you ahead of your test session

Additional scheduled testing dates are:

July 16, 2022 and August 13, 2022.

FLARC is following government Covid-19 guidance closely and all events will adhere accordingly to the latest advice.



Member Profile, continued

find time to work a fair number of JAs and VKs, which was very easy from the West Coast. Over the years, I have not been very active until I retired a little over a year ago.

What parts of the hobby most interest you?

After decades of inactivity, I became interested in Parks on the Air after a QSO with Brian N2BTD, who was activating a local park. He kindly invited me to his activation at Rockland Lake, and I soon became a POTA hunter and activator.

The FLARC sponsored Portable Ops Slack channel is a lively group with very valuable information about POTA and portable operations. I am amazed at the collective knowledge of this group and have a lot to learn after years of inactivity. As the sun becomes more cooperative, I will revisit QRP operating and plan on attempting a few POTA activations with a QRP station in a backpack.

What does belonging to FLARC mean to you?

I haven't belonged to an active radio club since I was a teen. I am gratified at the friendliness and inclusiveness of the members. I look forward to years of fellowship and involvement.

What should be the club's priorities in the next year?

Our hobby and the club are aging. Young people need to be inspired.

What else can you tell the club about yourself and/or ham radio?

In addition to ham radio, I enjoy music of all types. I was a classically trained pianist and organist. I also played bass guitar in a rock band comprised of the same guys from middle school.

What other ham related clubs or organizations do you belong to?

MARCO -- Medical Amateur Radio Council

Great Falls Special Event / POTA Station W2E Was A Day of Education, Science and Fun

Perfect Spring weather made for a perfect Great Falls Special Event and POTA station W2E on May 25th. Steve KA2YRA and the POTA crew racked up about 125 QSOs and the Paterson school children and visitors were both educated and entertained by the FLARC on-site team. And it was a great chance to get back together and meet old and new members after a long COVID-19 absence.

A thanks to all who took part... Jim W2JC, Steve KA2YRA, Larry WA2ALY, Brian KD2KLN, Jim N2JLF, Ken W2SCT, Gene WO2W, Dave N2AAM, Mitch KD2IIU, Jim KB2FMH, Mike KD2YEW, Thom W2NZ and Ed WX2R.



A thanks to all!



Steve KA2YRA and Mike KD2YEW go full POTA



Larry WA2ALY attracted quite a crowd to learn Morse



The promotion table ready to go



The operating stations were kept busy all day

The Club Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night, except when there is a Kawfee Tawk scheduled, from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2022 Officers, Committees and Assignments

| | | |
|-------------------------------------|---|--------------------------------|
| President | Nomar Vizcarrando | NP4H |
| Vice President | David Corsello | KD2JIP |
| Treasurer | Bruce Kalogera | NJ2BK |
| Secretary | David Gotlib | KD2MOB |
| Trustee | Ed Efchak | WX2R |
| Trustee | Fred Wawra | W2ABE |
| Trustee | Brian Cirulnick | KD2KLN |
| Field Day | Noel Pagan | W2MSA |
| | Steve Rosman | KA2YRA |
| | Steve Wraga | WA2BYX |
| Member Services Health & Welfare | Judith Shaw | KC2LTM |
| Marketing | Ed Efchak Nomar Vizcarrando Jim Cooper Dave Corsello | WX2R NP4H W2JC KD2JIP |
| Program | Ed Efchak | WX2R |
| Video/YouTube | Thom Guida | W2NZ |
| Social Media | Thom Guida Dave Marotti | W2NZ NK2Q |
| Photographer | Giovanni Lucero | K2GIO |
| Community Relations | Gene Ottenheimer Dave Gotlib Ed Efchak | WO2W KD2MOB WX2R |
| Hamfest and Auction | Gene Ottenheimer Bill Leger Bruce Kalogera | WO2W WA2WL NJ2BK |
| Education | Bill Kelly Earle "Skip" Barker Paul Brennan | NB1LL KD2BRV N6FB |
| Net Scheduler | Brian Cirulnick | KD2KLN |
| Contests | Lowell Vant Slot | W2DLT |
| FLARC Historian | Fred Belghaus | W2AAB |
| Webmaster | Jim Cooper | W2JC |
| Technical | Jim Cooper Paul Cornett Brad Kerber Fred Wawra | W2JC W2IP KM2C WA2BYX |
| RACES/ARES Director | Dave Gotlib | KD2MOB |
| RACES/ARES Liaison | Steve Wraga | WA2BYX |
| Newsletter Editor | Ed Efchak | WX2R |
| Newsletter Publisher | Jim Cooper | W2JC |
| Quartermaster | Brian Cirulnick | KD2KLN |
| W2NPT Trustee | Paul Cornett | W2IP |
| NK2H Trustee | Ed Efchak | WX2R |

President serves as ex officio to all committees

FLARC Field Day 2022 Plans

Field Day 2022 will be held June 25-26. Planning has been taking place behind the curtains and we will have several in person meetings to do a final inventory of gear and to strategize the setup process. Pre-installation of antennas will take place on Friday 24th of June. Thanks to key members that have reached out, partial inventory has been done, ground rods have been located, station positions have been determined, permits have been approved, and food arrangements have been made.

Starting this year, the maximum PEP output for a transmitter used by anyone submitting a Field Day log will be 100 W. The power multiplier of 2 will remain in place, and the high-power category will be removed from the rules. Until this year, the maximum low-power limit had been 150 W for most ARRL-sponsored operating events. The power multiplier will remain at 5 for QRP participants running a maximum of 5 W or less. As previously announced, 100 W is now the low-power category limit for all ARRL and IARU HF Contests, effective January 1, 2022.

A couple of changes instituted initially as accommodations for the COVID-19 pandemic will remain. Class D (Home) stations will continue to be able to earn points for contacts with other Class D stations. The club aggregate scoring change initiated in 2020 as a temporary measure will become part of the permanent rules. In the aggregate scoring plan, the scores of individual stations are combined under the score of a single club.

Another change, involving Rule 7.3.2 Media Publicity, has been modified. Rules to date have offered 100 bonus points for attempting to obtain publicity and demonstrating same. With the ease of posting via Facebook, Twitter, Instagram, and various other media websites, Field Day participants will now be required to obtain publicity, not just try to do so. Any combination of bona fide media hits would qualify for the bonus points. For example, posting the details of your upcoming or ongoing Field Day activity, or your Field Day results, on a club or news media site, on Facebook, or via Twitter and Instagram would meet the bonus criteria. Photos and videos are encouraged as part of media posts.

Noel W2MSA at noelw2msa@gmail.com



Continued on page .

2022 FLARC Kawfee Tawk Programs

| Date | Presenter | Program |
|---------------------------------------|--------------------------------|--|
| January 21, 2022 (Friday) | Bob Antoniuk N2SU | The History of Call Signs |
| February 18, 2022 (Friday) | Matt Heere N3NWV | POTA – Get Involved!! |
| February 26, 2022 (Saturday) | Barry Feiurman K3EUI | NANO VNA Part 2 |
| March 18, 2022 | Charlie Cebula AC2ZU | How the Telegraph Helped the North Win the Civil War |
| March 30, 2022 | Ed Efchak WX2R | The 2022 FLARC Member Survey |
| April 15, 2022 | Sandipan Basu Mallick VU3JDX | The Union of Asian DX'ers and DX'ing From India |
| May 13, 2022 (2 nd Friday) | Frank Donovan | 6 Meter Antennas and Propagation |
| June 17, 2022 | Gordon Beatty W2TTT | Setting Up Your Amateur Radio Station |
| June 22, 2022 (Wednesday) | Frank Donovan W3LPL | 6 Meter DX and Proper Antenna Utilization |
| July 15, 2000 | Van W2DLT /Fred Belghaus W2AAB | On QSL'ing |
| August 12, 2022 | Jose Vincennes NP4G | DX'peditioning |
| September 16, 2022 | Open | TBD |
| October 21, 2022 | Paul Cianciolo W1VLF | RFI In Your Shack and Around The House |
| November (Date TBD) | Bob Zanotti HB9ASQ | The Swiss Short-wave Merry-Go-Round |
| December 15, 2022 | TBD | About The ARRL: An Update |
| | | |
| | | |
| | | |

SIG Group Participation as of May 28, 2022



Hidetsugu Yagi's 130th Birthday Google Doodle

Here is an update on the roster of Special Interest Groups...some groups have decreased in size during the last month:

| | |
|---------------|-----|
| EMCOMM | 11 |
| Contesting | 12 |
| Digital Voice | 30 |
| Monitoring | 23 |
| DX | 18 |
| FT8 | 19 |
| Satellite | 18 |
| Portable Ops | 41 |
| Raspberry pi | 5 |
| FLARC General | 156 |

Follow FLARC ON THE WEB

Facebook: <http://facebook.FairLawnARC.org>

Twitter: @FairLawnARC

Blog: <http://blog.FairLawnARC.org>

Youtube: <http://youtube.FairLawnARC.org>

Website: <http://FairLawnARC.org>

Sign up for a group... or ...
why not start one?

Contact webmaster@FairLawnARC.org
if you would like to start a new
Special Interest Group.

The Clubhouse Is Open **THREE Fridays** **In June !!** **And Tuesdays also...**

| Date | Clubhouse Status |
|---------|-------------------------|
| June 3 | OPEN – Business Meeting |
| June 10 | OPEN |
| June 17 | CLOSED FOR KAWFEE TAWK |
| June 24 | OPEN |
| | |



**And Stand-by for Other
Open Days or Evenings!
Like in-person PopUp Tuesdays**

The club will follow all borough COVID-19 requirements for these events.



FLARC HAMFEST 2022

AT FAIR LAWN MEMORIAL PARK

SATURDAY, JUNE 4

New, larger location with 100 vendor spots and 300 parking spaces



Admission

Buyers: \$5.00, gate opens at 08:00

Sellers: \$20.00, gate opens at 06:00 (no admittance before 06:00)

Seller fee includes one 8' wide x 16' deep spot and 1 admission

Fourth seller spot is free with the purchase of three spots

XYL's and kids enter for free

For seller pre-registration and complete hamfest info, visit:

<https://hamfest.FairLawnARC.org>

Free parking, handicap accessible, refreshments available

Talk in: W2NPT 145.470 -600 KHZ, PL 167.9. Echolink Node 300501

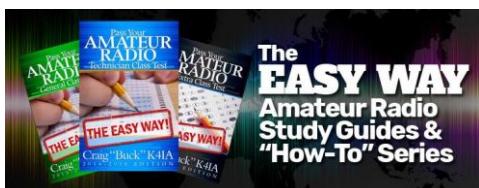
Rain date: Saturday, June 11. Please check the website for weather updates.

FLARC is following Covid-19 government guidance closely and will adhere to the latest advice.

A Thanks To Our 2022 Hamfest Sponsors and Donors*



WAYNE ELECTRONICS LLC



KB Cubed LLC



Hamsource.com



*As of May 28th



AMATEUR RADIO TESTING BY THE FAIR LAWN AMATEUR RADIO CLUB

On June 18, 2022 the Fair Lawn Amateur Radio Club will continue amateur radio test sessions on a modified basis.

These sessions will be held at the **Fair Lawn Amateur Radio Club**.

The location is at **10-10 20th Street, Fair Lawn, NJ**

The session starts at 9:15 AM.

A document will be provided to you prior to the date to indicate the time assigned to you.

You must have it with you to take the test.

Prior to Testing:

Send an email to wo2w@arrl.net requesting to book your spot.

PRE-REGISTRATION IS REQUIRED - NO WALK-INS ACCEPTED.

Upon Arrival:

You must have a government issued ID such as a valid driver's license or passport, a filled out Form 605, and **3 filled out copies of the FCC CSCE form**.

Please Bring With You:

- You MUST bring and WEAR personal PPE items including a face mask.
- 2 pens and 2 pencils. None will be provided to you, due to possible virus transmission.
- Your FRN number, and (if licensed) a copy of your ham license or a valid CSCE (Certificate of Successful Completion Exam).
- Additionally, the \$15.00 exam fee. This is payable in cash (exact amount is a must).



How to Design a Ham Shack Desktop

**2022 FLARC June 17th
"Kawfee Tawk™" Series**

Ever look at your shack setup and said: "I wish I could do this better!" or better yet, "How can I maximize my ham shack so that it does what I need it to do?"

On Friday, June 17th, Gordon Beatty W2TTT will walk us through the hints and kinks of good ham station design. He will be focusing on the areas where every Radio Amateur can get some benefit from a little simple human and electrical engineering for their ham station. For those of us old enough to remember, this is the kind of stuff that was in the ARRL Station and Operating Manuals back in the old days.

This is a great how-to for old and new ops. While Gordon will be using pictures from his new home QTH, he will make sure that someone with a couple of mobile rigs stacked on the edge of a windowsill of their apartment will have a familiarity with how they can better their environment.

This *Kawfee Tawk* session begins at 7:30 PM EDT and is available here:

Join Zoom Meeting

Meeting ID: 838 6036 5555

Passcode: SHACK

PHONE users only:

838 6036 5555

798399

Gordon has been licensed for 47 years (his prior calls were WN2CAM, WB2CAM & N2DSY) and is an ARRL Life Member. His primary interests are VHF/UHF/Microwave weak signal work, Public Service, Amateur Radio Emergency Data Network (AREDN) mesh high-speed data networks, building, rag chewing and operating demonstration stations and activities for Scouts, other youth, and adults. Gordon operates HF, VHF and UHF at home, portable and mobile using FT8, CW, PSK31, Packet, SSB, FM, Fusion and DMR on bands through 5.8 GHz. He is also a member of the Bergen Amateur Radio Association, Fair Lawn Amateur Radio Club, the American Red Cross Amateur Radio Club, the Suwannee County, Florida ARES, the Madison County Amateur Radio Club (FL), the Columbia Amateur Radio Society (FL), the Crystal Radio Club (NY) and the Venture Crew 7373 Amateur Radio Clubs.

In addition to experimenting and rag chewing, Gordon likes to provide communications service to the public. Gordon is married to Nancy N2FWI, who holds a General Class license, and they have three adult sons James KC2SQV, John KC2NZC and Jeremy KC2VBS, who are Eagle Scouts and hold Technician Class licenses. His interest in radio and telecommunications continues as he and Nancy establish their new residence in rural Suwannee County near Live Oak, Florida where they are building a new Amateur Radio station with capabilities across the RF spectrum extending to 47 GHz. EMCOMM, experimentation and inventing are key elements of this station which will include an antenna test range and a number of towers and antennas to support these activities.

This should be an interesting and informative night and is a must for all those interested in how to operate better in great solar times. So, save the date – **Friday, June 17th 2022** at 7:30 PM EDT -- for this important and always timely discussion. For more information, please visit the club's website at www.FairLawnARC.org or call 201-791-3841.

When you log in, please show your FIRST NAME and your CALL SIGN.

For more information, please visit the club's website at <http://www.FairLawnARC.org> or call 201-791-3841.



6 Meter DX and Proper Antenna Utilization

**2022 FLARC June 22nd
"Kawfee Tawk™" Series**

Solar cycle 25 will give us all lots of opportunities to explore the bands in ways that we unimagined in previous eras, with the advent of better antennas and technology. One band that holds the most opportunity is 6 meters – always mysterious and unpredictable. On **Wednesday, June 22nd** we will explore both the delights and dilemmas of 6 meters from one of the top DXers around.

Frank Donovan W3LPL will be our featured speaker. His talk explores the many unique characteristics of 6 meter sporadic-E propagation with particular focus on the antennas needed to work long haul DX (7000 miles and more) using sporadic-E.

The program begins at 7:30 PM EDT and is available via Zoom:

Join Zoom Meeting at <https://zoom.us>

Meeting ID: 873 1069 3690 Passcode: six

Dial by your location <---- FOR REGULAR PHONE USE, NOT COMPUTERS!!!

+1 646 558 8656 US (New York)

Meeting ID: 873 1069 3690 Passcode: 438916

Frank's ham radio career began as a twelve-year-old at the Providence Radio Association 1959 ARRL Field Day, W1OP/1, on Neutaconkanut Hill – two miles from his home in Providence, Rhode Island. Soon afterwards he began to slowly build his own small station on 1/10th acre in his densely populated urban neighborhood.

W3LPL DX contest teams have completed more than one million DX QSOs and achieved more than 50 first place USA finishes out of more than 150 entries in the CQWW and ARRL DX contests. Frank was inducted into the prestigious CQ Contest Hall of Fame in 1999 and is a regular presenter at Contest University. He retired ten years ago as a Chief Engineer at General Dynamics Corporation after a 45-year career in electronics and systems engineering.

This should be an interesting and informative night and is a must for all those interested in how to operate better in great solar times.

So, save the date – **Wednesday, June 22, 2022 (a Wednesday)** at 7:30 PM EDT -- for this important and always timely discussion.

For more information, please visit the club's website at www.fairlawnarc.org or call 201-791-3841.

The Case of the Missing Watts

By: Fred Belghaus W2AAB

I recently noticed a mysterious drop in power output from my rig. I use a Kenwood TS-590SG, rated at 100 Watts output, and an all band antenna consisting of a homemade delta loop cut for 40 meters, fed with 450 ohm balanced “window” line, to a well designed balanced ATU. Maximum power to the antenna was being lowered to about 85 Watts, as measured on a Bird 43 SWR/Power Meter.

Why had the output gone down? There were several possibilities I considered:

- 1) Could the reduced output be due to a partial failure of the final amplifier stage? Probably not, because unlike tubes, solid state finals don’t go “soft” over time, they just go “poof!”
- 2) Could my reduced power be due to an unexplained reduction in voltage from the external power supply, or even a case of low A.C. line voltage? Remotely possible, but not likely.
- 3) What about the transmission line, or the antenna? Well, my antenna was still up, so that’s not the problem, I thought. But to be sure, an inspection of both the transmission line and antenna would be necessary.

I recalled that there is a rather aggressive, fast growing vine near the window line behind the house. I thought that perhaps the vine had overgrown the window line to such an extent that it had interfered with line balance. A quick inspection revealed that the vine had entirely wrapped itself around the window line, even looping itself through some of the slots. I carefully cut away the vine, and went back in the house to check the output. There was no change.

There was only one thing left to check—the antenna itself. My delta loop is about 50 feet high at the apex, and about 9 feet off the ground at the two lower corners. The next day, I inspected one lower end of the delta loop, where the insulator is tied back to an enormous hemlock. Checking one of the tie-points, I immediately spotted several hemlock branches that had grown out and wrapped themselves around the antenna wire. I removed them, and pruned them back far enough to no longer interfere with the antenna wire. Then, I went back in the house, and checked the output. Voila! 100 Watts again! Problem solved—but what really caused the power reduction?

I have two theories about this. The first is that the sap-filled branches had added enough additional capacitance to detune the antenna, resulting in a fold-back of output power. It is well known that foliage in the near field of an antenna can attenuate radiated power, especially at bands higher than 20 meters, so if a living branch is placed very close to your antenna wire, or wrapped around it, the result could be a reduction in power, as explained above.

My second theory is a bit more arcane, but still, I think, within possibility, and possibly a better explanation. Suppose that while transmitting, the sap-filled branches were actually providing an inductively coupled, imperfect path to ground by passing through the tree, right down to the roots underground, and at least partially grounding out the antenna? Although I’ve never heard of such a case before, I wonder whether this is possible.

Power companies always prune away tree branches near their power lines. A statement on a PSE&G website [1] says, “A tree in close proximity to a transmission line has the potential to short-out the line, which will cause a hazardous electrical current to traverse through the ground.” If a tree branch can ground out a power line, couldn’t it also provide at least a partial path to ground for an antenna? If you have a better answer, based on sound electrical principles, I’d like to hear from you. In any case, I offer this as a general rule:

Prune away any foliage or branches from antenna wires, even if only nearby, especially if any part of your antenna wire is located near the ground.

[1] “Tree Trimming,” at: <https://nj.pseg.com/safetyandreliability/reliability/treetrimming>

Ever Been to W1AW?

We've been invited to visit ARRL Headquarters in Newington for a site visit and to operate W1AW.

If you have never been there, it is a fun day and a chance to always say that you operated there.

We have no date scheduled but are looking at something in the July-September window.

If you are interested in going, drop Ed WX2R an email at wx2r@arrl.net and he will start a list and look for a possible date.

Special Note: As non-profit, the IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your 2021 dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby.

Catch Up With FLARC!!

Just a reminder that all FLARC **Kawfee Tawks** are available on our YouTube channel, at <http://youtube.FairLawnARC.org>

Of particular interest are our recent *World Space Party –Yuri's Night* presentation (April 12) and *DX'ing from India* (April 15).

Both are now available in the archive and make for great viewing.

A tip of the FLARC cap to Thom W2NZ for making them production-ready!



Please Note: Operating at W2NPT

Starting in January 2019 club trustees have sign-in sheets for all operating positions. There is a clipboard at Operating Position #1, #2 (digital) and #4 with a form on which to sign up for half-hour time slots. No longer first come-first served, in fairness to all who want to use our club equipment and the new antennas.

Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

<http://apparel.FairLawnARC.org>
<http://auction.FairLawnARC.org>
<http://blog.FairLawnARC.org>
<http://calendar.FairLawnARC.org>
<http://events.FairLawnARC.org>
<http://exams.FairLawnARC.org>
<http://facebook.FairLawnARC.org>
<http://news.FairLawnARC.org>
<http://swap.FairLawnARC.org>
<http://tech.FairLawnARC.org>
<http://youtube.FairLawnARC.org>

<https://groups.io/g/FairLawnARC>



Online License Testing!

Are you looking to get your license or upgrade without leaving your home? All you need is a laptop computer with a video camera.

There are number of sites listed on hamstudy.org/sessions. These folks will walk you through taking an exam online.

I have worked with both WB5QNG and AA7HW. If you have any questions, please contact me at mStevenk2sab@gmail.com

73,
Steven Boston K2SAB

The FLARC Hamfest and QST

Don't forget to volunteer for the June 4th FLARC hamfest.

Lots of promotion around the event including an ad in the June 2022 issue of QST. On page 124 of your print edition.

See Gene WO2W for an assignment and don't forget that much of the club's financial success is built on the hamfest.

See you there!!

Rain date is June 11th.



Ham Radio Is Contagious And It Won't Make You Sick!!

From Field Day to Dog Park

A lot of old timers will remember the old Field Day site at Memorial Field, on the other side of the maintenance building. The borough in its wisdom has turned it into the town dog park. Prescient perhaps. But a reminder that everything changes, and nothing stays the same.



Gone to the dogs.

Club Apparel — Get Them While They're RED!

Club apparel is always in vogue. Red is always "in" and your club friends all have them... you *want* a shirt or jacket for the next FLARC event! Great for Field Day!

Don't forget.... they're easy to order.

Go to www.hamthreads.com
or visit <http://apparel.FairLawnARC.org>

Check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color.



2022 FLARC Nets On The W2NPT Repeater:

Near and Far Net Mondays at 8PM

Health and Welfare Net Wednesdays at 7PM

W2NPT and NJ2BS Repeaters

Summer Field Day will be here before you know it!

Field Day will be here before you know it. We are looking for some members to step up and make 2022 a great event. This should be an active group so a willingness to participate is a strong plus. Let Nomar know of your willingness to help at:

np4h@aol.com



Remember: Ham Radio Is A Contact Sport!

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such a gift is worthy.

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception. **The club is sponsored by the Borough of Fair Lawn.** The club meets every Friday, except when a Kawfee Tawk is scheduled, at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the club, and on Zoom.

Visitors ARE ALWAYS welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL 167.9) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has over one hundred fifty paid members. Dues are currently \$25 per year;
\$20 for new members.

For more information, please see our website, at
<http://membership.FairLawnARC.org>

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A Weekly Welfare net ...

The Health and Welfare Umbrella Net
Wednesdays
7PM Local
W2NPT and NJ2BS Repeaters
Open To All

MARKETING COMMITTEE NEWS

The Publicity Committee is now the Marketing Committee and is working to spread the good words about FLARC and help get all members involved. Interested in joining?
Drop a note to wx2r@arrl.net.



**FAIR LAWN'S
COMMUNICATIONS CENTER!**

With Our Antennas On The Roof!



Blood Donors Needed In This Time Of Emergency

The Red Cross and related organizations are in great need for blood donations since most corporate blood drives have been cancelled. This has become acute recently. Especially in these days of Covid.

Communitybloodservices.com has a network of offices open during the week and would really welcome folks making appointments to donate blood.

Thanks!



American Red Cross

Hamfest Update

We are just about a week away from our second hamfest. This is a very big undertaking for the club and we need all FLARC members to help with this event. Last year we had 47 vendors and over 225 buyers attend. This year we have moved to Memorial Pool parking lot with 100 vendor spots and parking for 300 cars.

With an email list of 2200 hams and our advertising, our hamfest could turn out to be one of the largest in the area.

So we need your help starting at 5:00 am to set up and get ready to receive vendors starting at 6:00 am. We will need more help at 7:30 am to get ready to let buyers in at 8:00 am. We will also need people all day anytime to help with the FLARC tables, sell 50/25/25 tickets and refreshments.

Please let me know what time(s) you can help. Remember this is your club - be part of it. Thank you in advance for helping.

Gene W02W

FLARC May 14, 2022 VE Testing Results

With VE testing back on schedule, Gene W02W reports the following results:

| Name | Call | License Earned |
|--------------------|--------|----------------|
| Loren Straquadanio | KD2ZJK | General |
| Emmanuel Cruz | KD2ZHQ | Extra |
| Eugene Shiotsuka | N6JIV | Extra |
| George McCabe | KD2LZS | Extra |
| Patrick Sawey | WA2PFS | Extra |
| | | |
| | | |
| | | |
| | | |

Testing for June will be at the Fair Lawn Recreation Center - with "Covid Restrictions."

See page 3 of this Resonator copy, and also the FLARC website for the latest details.

Nine Special Interest Groups [SIGs] Already Formed: Any Others?

Post lockdown, club interest continues to grow in the SIGs. So far, we have the Radio Monitoring Group and a Digital Voice Modes, group thanks to KD2DRS and NP4H. There is also an FT8 SIG. And a POTA SIG headed up by Noel W2MSA plus a DX SIG. Also EmComm (Emergency Communications) and the Contesting SIG, managed by Van W2DLT. And the Monitoring (SWL) SIG.

Recently formed: the *Raspberry pi* and *Arduino SIG*.

Other possible groups, from the member survey, include:

- *Radio Propagation*
- *Antennas and how they work*
- *Kit building*
- *Ham radio software)*

Anyone interested in leading any of these groups...?

Please contact webmaster@FairLawnARC.org

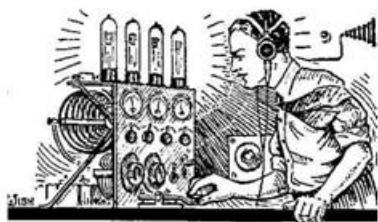


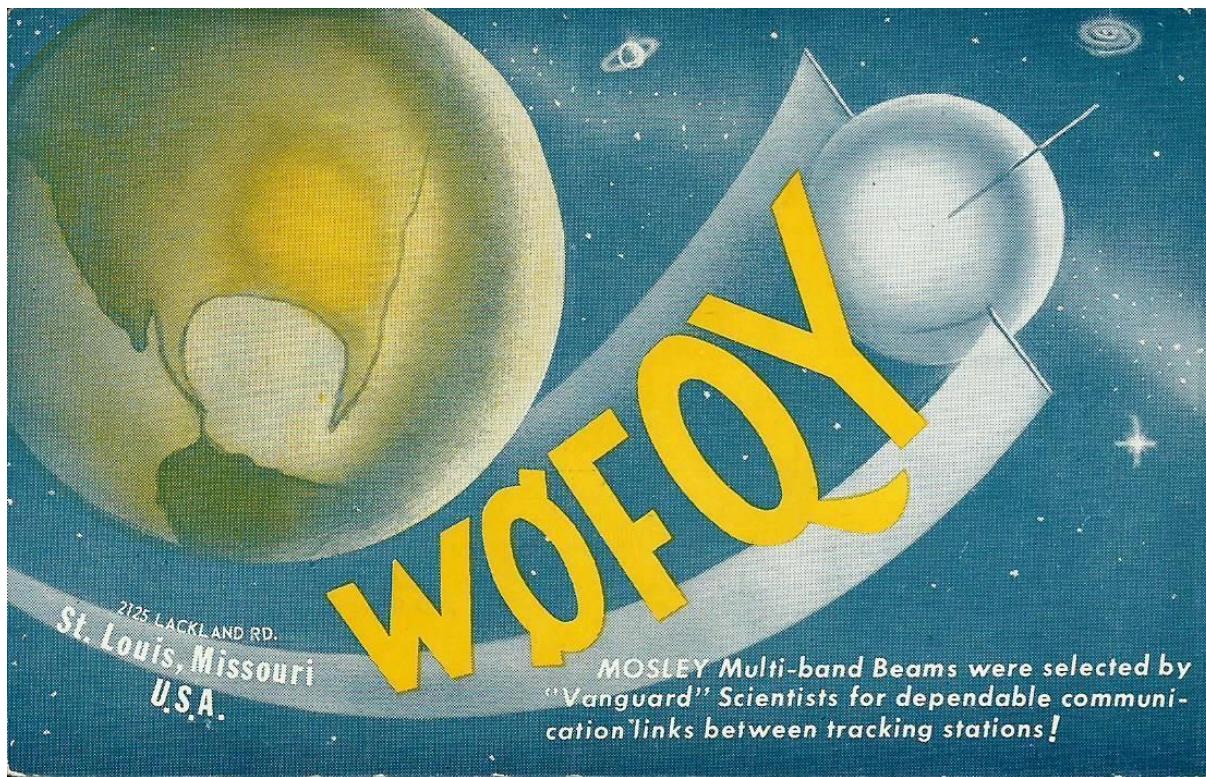
Image from May, 1926 QST, courtesy ARRL

The Way We Were By Fred Belghaus W2AAB

"Space Mania" U.S.A."

In April, while we were celebrating Yuri Gagarin's historic role as "first man in space," this column recorded the almost obsessive attention paid to all things "space" on the QSL cards of Soviet hams during the 1950s and '60s. This month, we'll see how U.S. hams treated this topic on their QSLs during the same period.

Our first example is from W0FQY in 1958:



The operator was Carl Mosley, founder of Mosley Electronics, manufacturer of amateur radio antennas for more than 70 years. The card makes a pitch that Mosley HF beam antennas were used by the Vanguard rocket program in order to insure reliable communications between their tracking stations. Mosley is still in business, and still making HF antennas for amateurs.

Now, here's a fanciful card from K4PJK of Melbourne, Florida, in 1958:

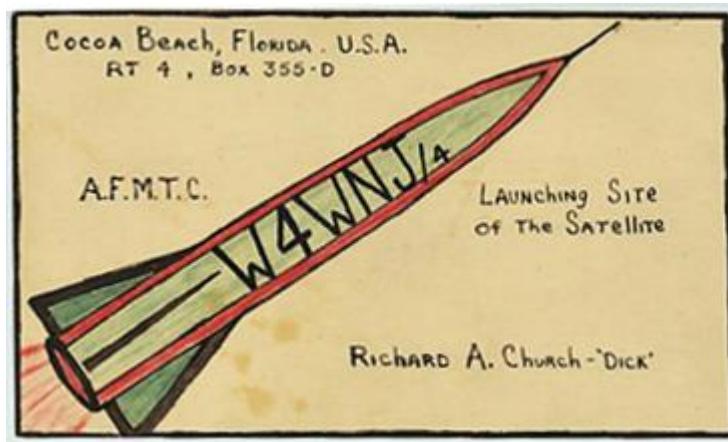
Continued on next page.

The Way We Were, continued.



K4PJK was the club station at Radiation Inc., with an image that purports to show a planetary or lunar surface, years before the U.S. landed a spacecraft on the moon. The operator was Keith, K4JJY. Radiation Inc. was a forerunner of Harris Corp., with which it merged in 1967. Their former employees held annual reunion picnics for many years, holding the last one in 2017. [1]

Here's an interesting homemade card from W4WNJ portable 4 in Florida at the Air Force Missile Test Center, Patrick Air Force Base, from the 1950s:



The A.F.M.T.C. (actually, Cape Canaveral) was the original location chosen as the testing and launch site for the Vanguard Program's rockets, whose ultimate purpose was the delivery of a satellite. The project's design effort was headed by Wernher von Braun, and billed as a "civilian" effort; but secretly conducted by the Navy, with

The Way We Were, continued.

additional funding by the CIA. [2] Von Braun was one of a select group of 88 ex-Nazis “imported” to the United States under a program called Operation Paperclip [3] immediately following the end of World War II, but that secretly began several years earlier. It is disturbing to think that our government had no qualms about employing ex-Nazis in their quest to develop Nazi technology, including advanced weaponry (such as chemical and biological weapons), and to ultimately “beat the Russians” into space.

Further space themes can be seen in the next few examples. The first, from K6YVV, shows a variety of satellites and some “flying saucers” (UFOs) circling the earth in 1960:

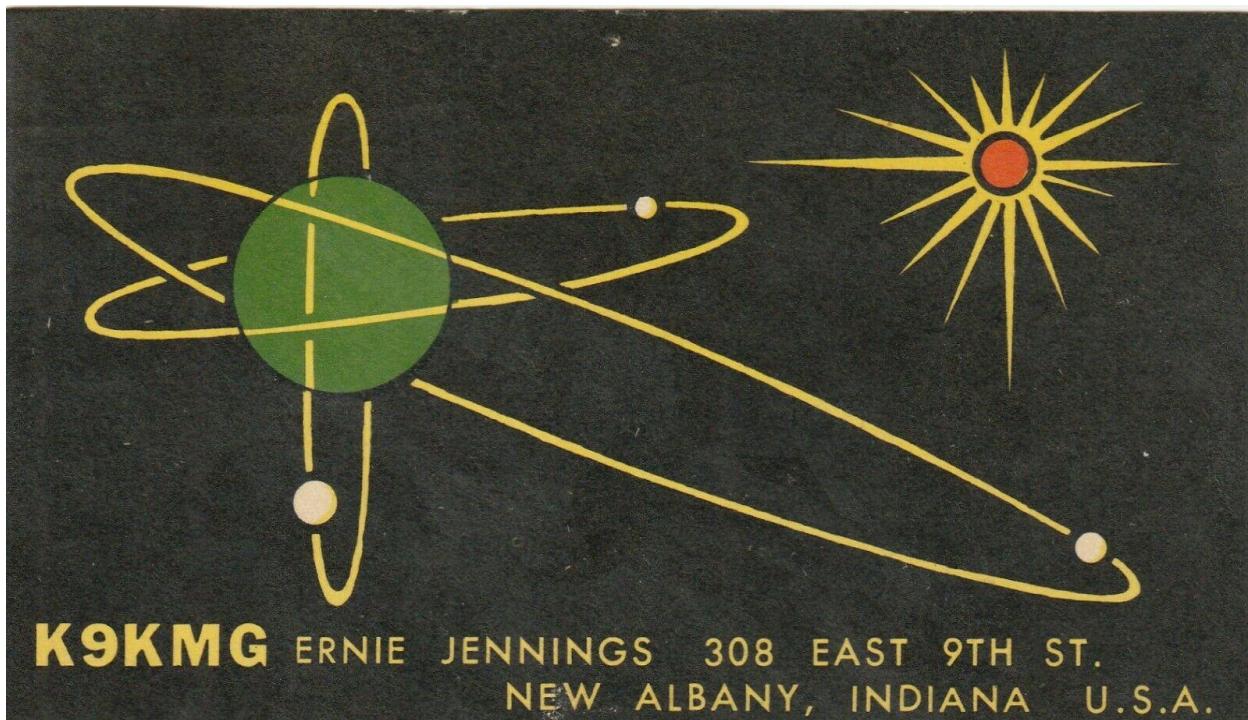


Meanwhile, from Kalamazoo, Michigan there's this fanciful example from the 1950s by K8JGI, in which he depicts himself as a kind of astronaut:



Here K9KMG's card, dated 1958, shows the earth encircled by what appear to be three satellites:

The Way We Were, continued.



Sometimes, it's impossible to distinguish between the "Space Race" of the 1950s and '60s and the "Arms Race." Both produced rockets; those for space exploration to serve the interests of science, and those rockets called "missiles," to serve the interests of war.

During this period, there was constant fear of conflict with the Soviet Union. That fear contributed to a lot of research as well as the creation of a network of "early warning" RADAR installations in various locations. The most important of these was in the Arctic, since it provides the shortest distance from the Soviet Union to North America. Several early RADAR installations were established in Canada, but by 1957, the DEW Line (Distant Early Warning Line) became operational.

This network of installations included 63 bases forming a line of defense stretching across the Arctic from Alaska, through Canada, to Greenland. The installations were linked via the SAGE (Semi-Automatic Ground Environment) computer network, located at NORAD Headquarters at the Cheyenne Mountain Complex in Colorado. [4]

One of these DEW Line installations was located at Cape Sarichef in Alaska, also the location of a LORAN (Long Range Navigation) system installation in those days. The

The Way We Were, continued.

QSL example below dates from 1960, and includes the calls of two servicemen stationed at the DEW Line installation at Cape Sarichef: Howard KL7DHJ and Phil K6QPS/KL7:



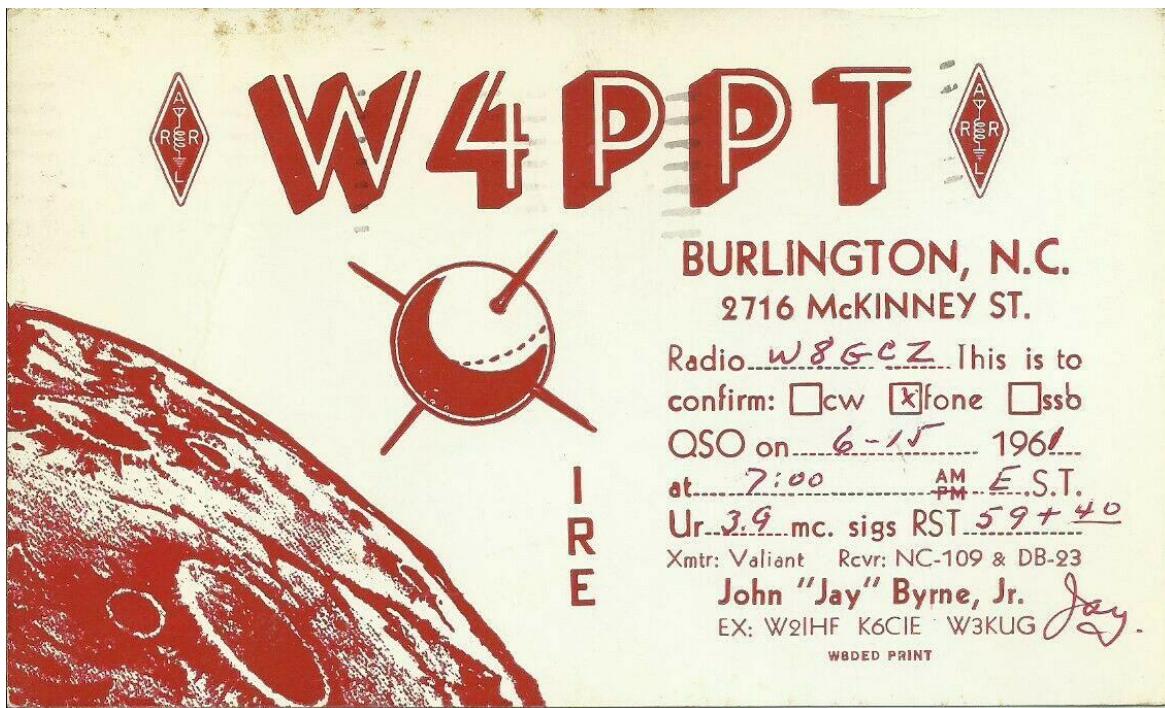
The DEW Line had been designed in the mid 1950s by Bell Laboratories, and its hardware manufactured by Western Electric. It was a complex project, employing tens of thousands of personnel, including engineers, mechanics, and specialists from the U.S. military, U.S. subcontractors, and many Canadian civilians. But it had a significant limitation. It was designed to detect bombers, but within a few years, ICBMs (Inter-Continental Ballistic Missiles) had been developed, rendering the DEW Line essentially obsolete.

The Royal Canadian Air Force had shared operational responsibility with U.S. Air Force. The U.S. side of that responsibility was assigned to the 64th Air Division, but the logistical and contractual support was assigned to the 4601st Support Squadron, based in Paramus, New Jersey. [5]

In 1958, a more sophisticated system was developed by Raytheon known as BMEWS (Ballistic Missile Early Warning System). By the 1980s, the DEW Line was decommissioned, and the remaining facilities given to the Canadian government. [6] Subsequently, SAC (Strategic Air Command) assumed control of early warning defense systems.

Moving on to the 1960s, here's W4PPT's 1961 card featuring a satellite orbiting above the meteor-pockmarked lunar surface:

The Way We Were, continued.



Several months after the Soviet Union launched the first satellite, Sputnik, in 1957, the United States launched the Explorer 1 satellite in January 1958. Possibly inspired by Explorer's success as well as Alan Shepherd's successful first space flight, a small group of California hams believed it would be possible for an amateur radio satellite to be launched, as well.

They formed Project OSCAR, an acronym signifying “Orbiting Satellite Carrying Amateur Radio.” The OSCAR 1 satellite became a reality, and was launched December 12, 1961. It was carried on a Thor rocket from Vandenberg Air Force Base. Interestingly, OSCAR 1 was the first satellite produced entirely by civilians. [7] Ham radio had entered the Space Age.

The Project OSCAR Association became licensed as W6EE, [8] and the satellite used the call W6EE/S, the “S” signifying “satellite.” It transmitted a simple message on 145 MHz: “HI” sent by CW. Many hams copied the satellite, and those who sent reception reports, received this QSL card:

The Way We Were, continued.



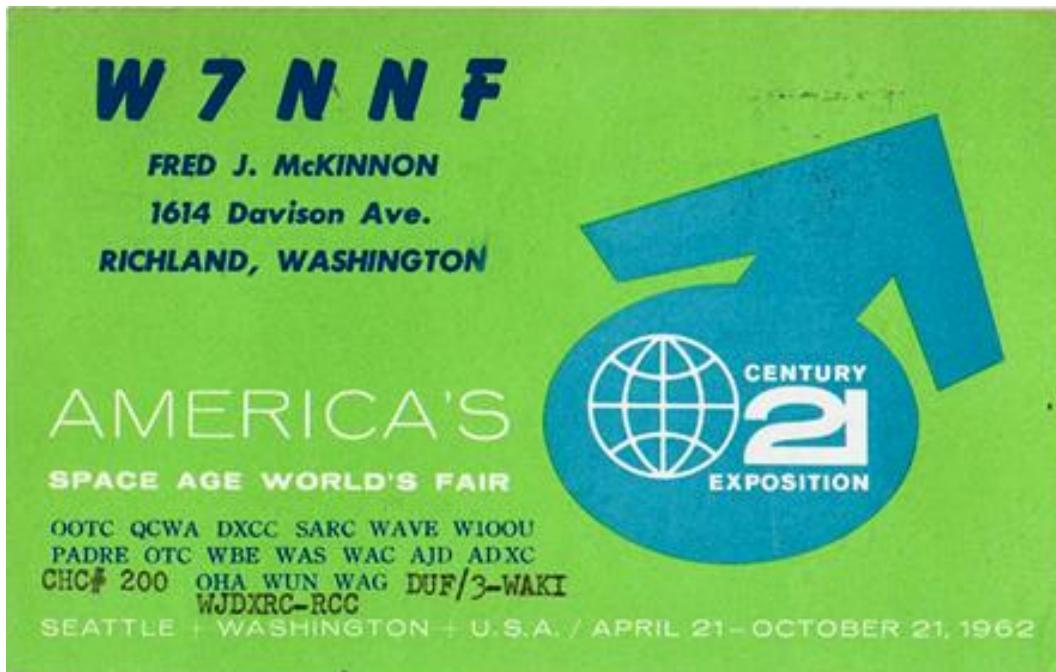
It was a noble and historic effort by amateurs, and OSCAR 1 performed its objective well until its batteries died, 22 days after it was launched. To this day, the OSCAR effort stands as one of the greatest achievements in amateur radio history. It was built by amateurs in their basements and garages, and its total out-of-pocket cost was an amazingly low \$68.00. [9]

It just goes to show what some old fashioned ham ingenuity is capable of when faced with a challenge. The work of the hams at Project OSCAR remains an inspiring example to us all.

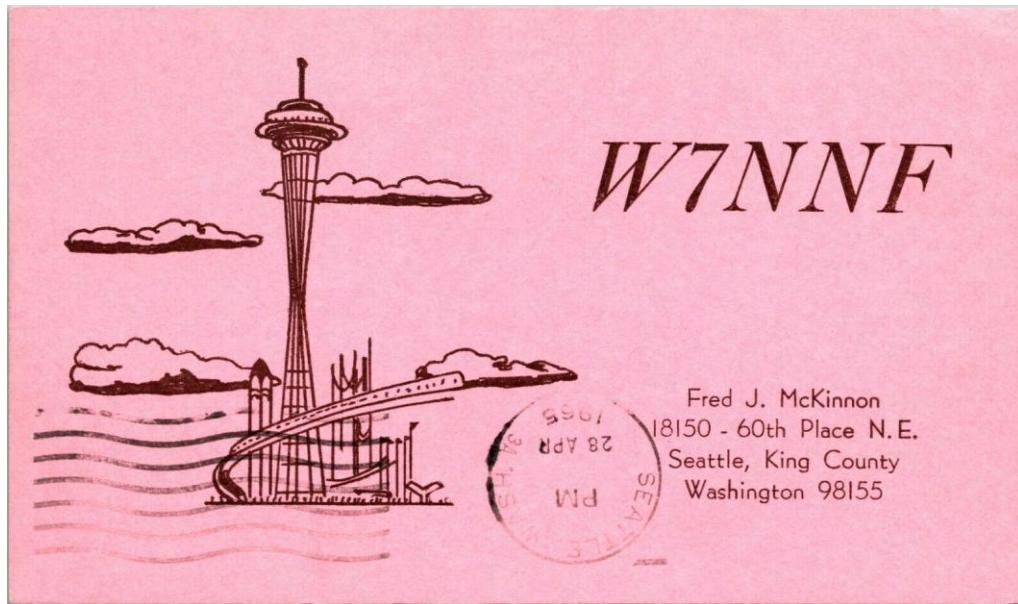
The “space” theme continued in several other forms through the 1960s. In the next two examples, there are no rockets, satellites, or other spacecraft visible, but they reflect the “spirit of the age” in other ways.

Our first example is a card from W7NNF, who chooses as his subject an invitation to the World's Fair of 1962, which is billed as “America's Space Age World's Fair,” and as the “Century 21 Exposition” in Seattle, Washington, which ran from April 21 to October 21 of that year:

The Way We Were, continued.



Part of the 1962 Seattle World's Fair was the construction of the famous "Space Needle," [10] a structure that has become a popular tourist attraction in that city. Here, this landmark is memorialized on another QSL card of W7NNF in 1965:



Also from 1962 is this QSL from WA6GFY, the club station of the Lockheed Employees Amateur Radio Club, Sunnyvale, California. The rocket looks like one of the Thor series:

The Way We Were, continued.

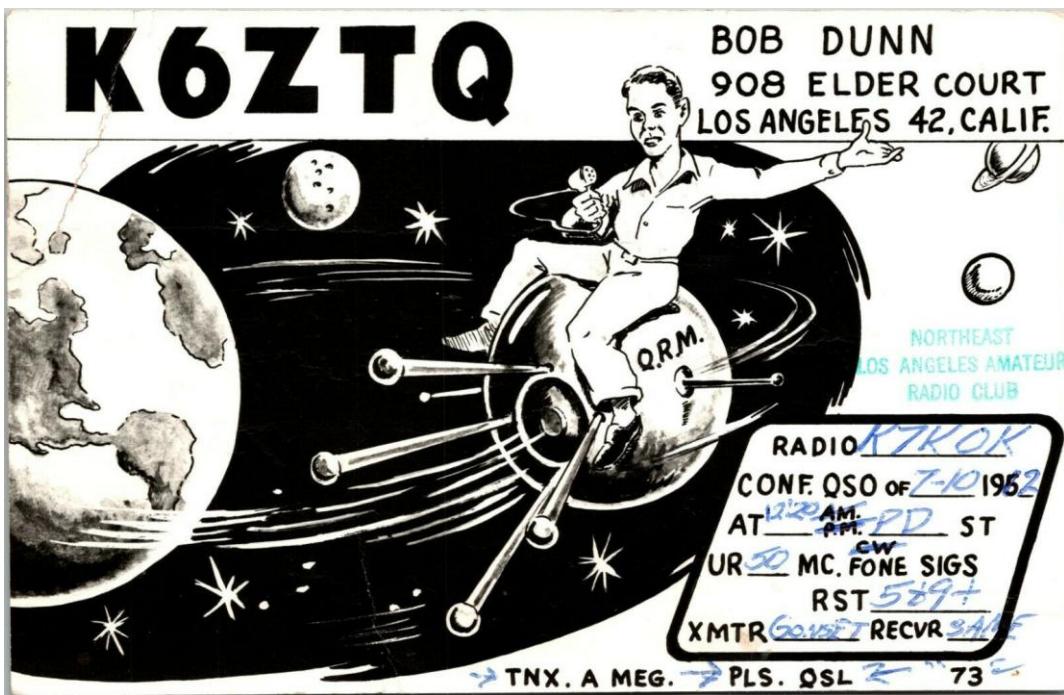


Here's a fanciful card from WA2PZQ, Jersey City, in 1962 featuring astronauts, a rocket, satellite, and an enormous space vehicle of some kind:



The Way We Were, continued.

Another purely fanciful card comes from K6ZTQ of Los Angeles, also in 1962:



And this one, from 1962, depicting EME ("moonbounce"):



The Way We Were, continued.

It seems that at least one company, Thiokol Chemical Corp., established a space-related amateur radio net called “The Rocket Net,” as recorded on this card from one-time employee and apparent net member, K5FVB of Marshall, Texas, in 1963:



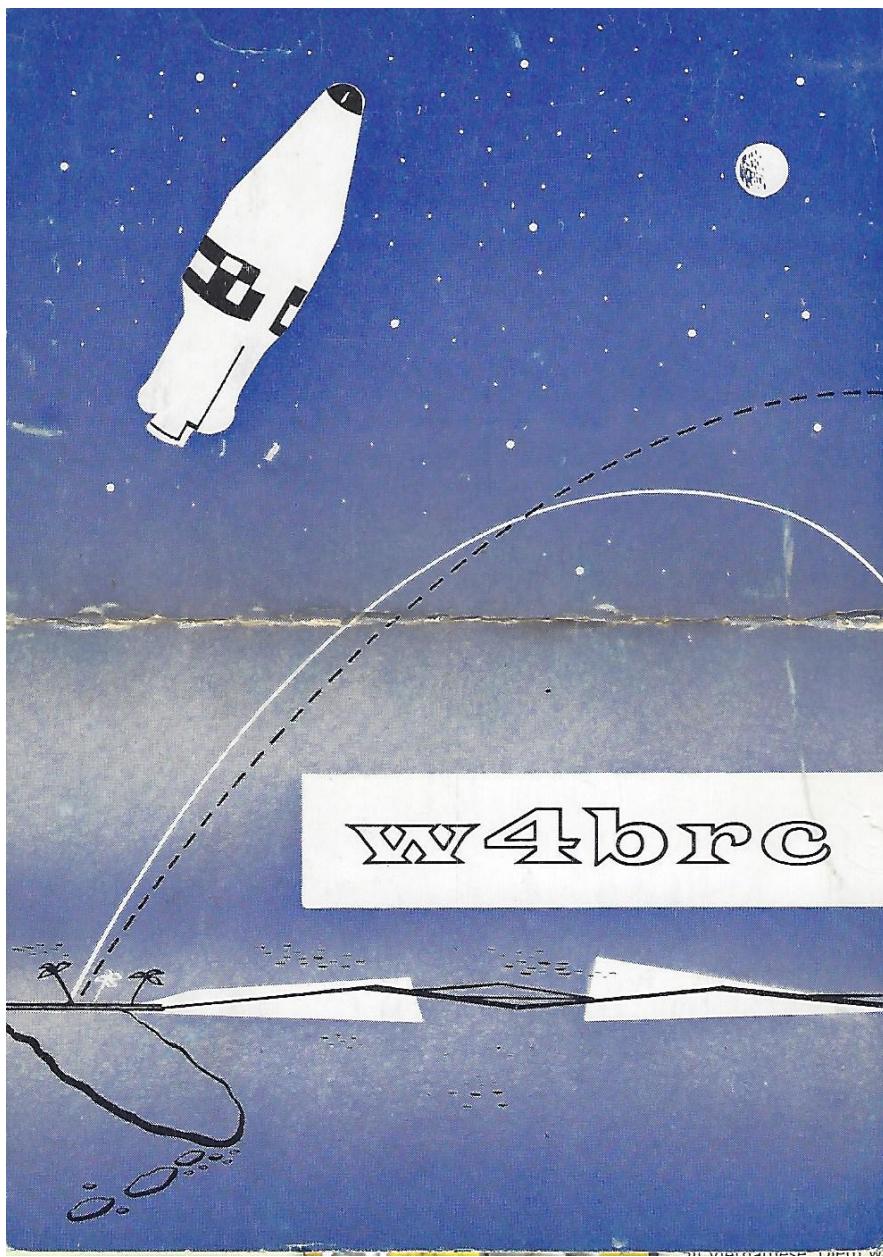
Thiokol, now Morton Thiokol, perhaps best known for its Morton table salt, was also a manufacturer of rocket propellants, as well as manufacturing space shuttle booster rockets, [11] including the boosters for the planned Challenger space shuttle in 1986, and later implicated in the Challenger space shuttle disaster.

On the morning of the scheduled launch at Cape Canaveral, there had been a severe drop in ambient temperature at the launch site. This concerned Thiokol engineers, who pleaded for a delayed launch until temperatures rose to a safe value. They reasoned that the low temperature would reduce the resilience of the O-ring seals that separated sections of the rocket booster. If the resilience was compromised, the result would be an imperfect seal that could cause an ignition of the liquid hydrogen and oxygen fuels, and probably result in an explosion. Despite these warnings, a management decision was made to proceed with the launch anyway. [12]

As the engineers had warned, the predicted outcome occurred. Minutes after launch, the seals failed, and when the fuels ignited, a flame quickly roared through the craft causing an explosion that killed all seven astronauts. [13] Engineers who became whistleblowers exposing the unethical conduct of management were punished by the company, and their careers ruined. The managers responsible for the decision to launch faced no serious consequences. They were either transferred or offered earned or early retirement. [14]

The Way We Were, continued.

Here's a card from someone I worked back in 1964 on 40 CW. I'm not sure of the rocket series, though. From the blunt nosecone, it might be a Titan, but the band around its midsection suggests a Lockheed built Thor-Agena. [15], [16] If anyone knows for sure, please let me know.

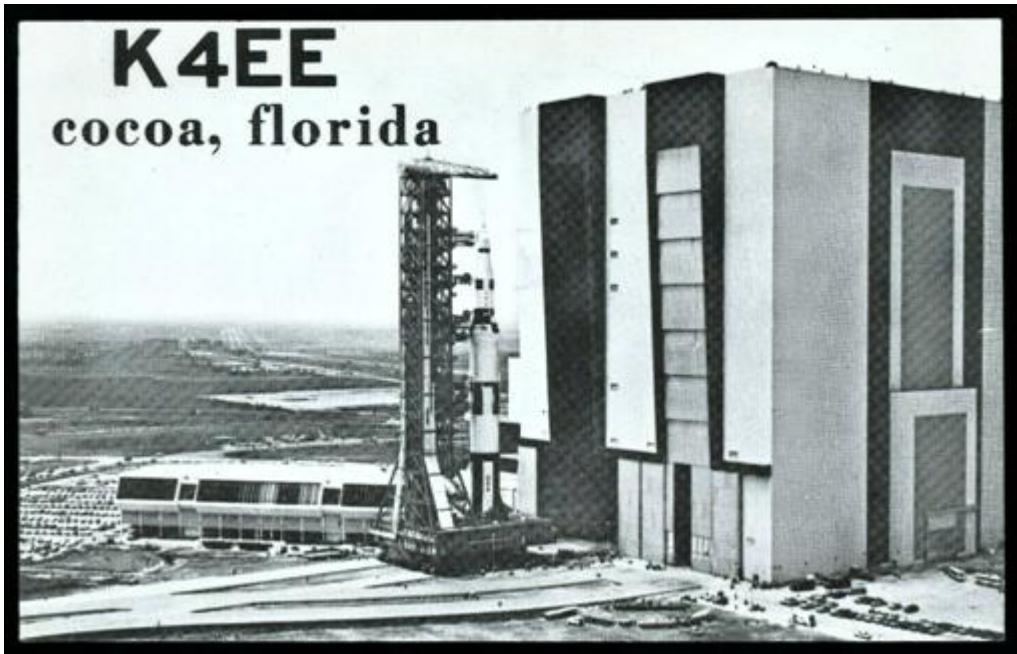


W4BRC lived in Indialantic, on the same barrier island as Cape Canaveral, and approximately 21 miles south of it. [17]

He had a nice Collins S-Line station, and may have worked for NASA or Lockheed at the Cape.

The Way We Were, continued.

In the same general neighborhood, and only a few miles from the Cape, here's a card from K4EE in Cocoa, Florida, from approximately the same period:



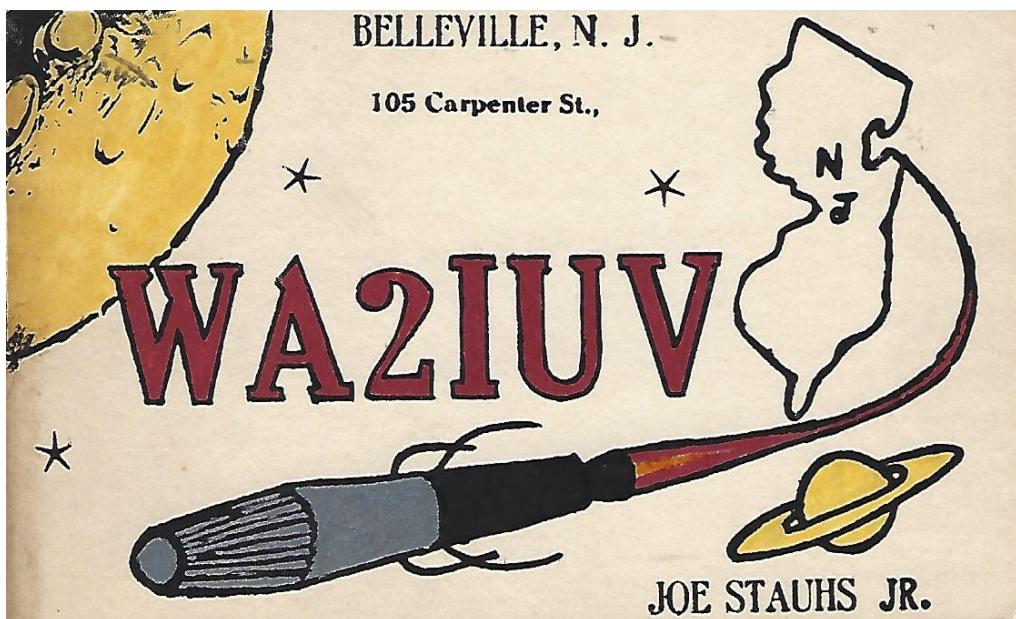
Shown on the card is the NASA Vehicle Assembly Building at Kennedy Space Center at Merritt Island. Here's a more recent photo of the Vehicle Assembly Building:



Image: Wikipedia

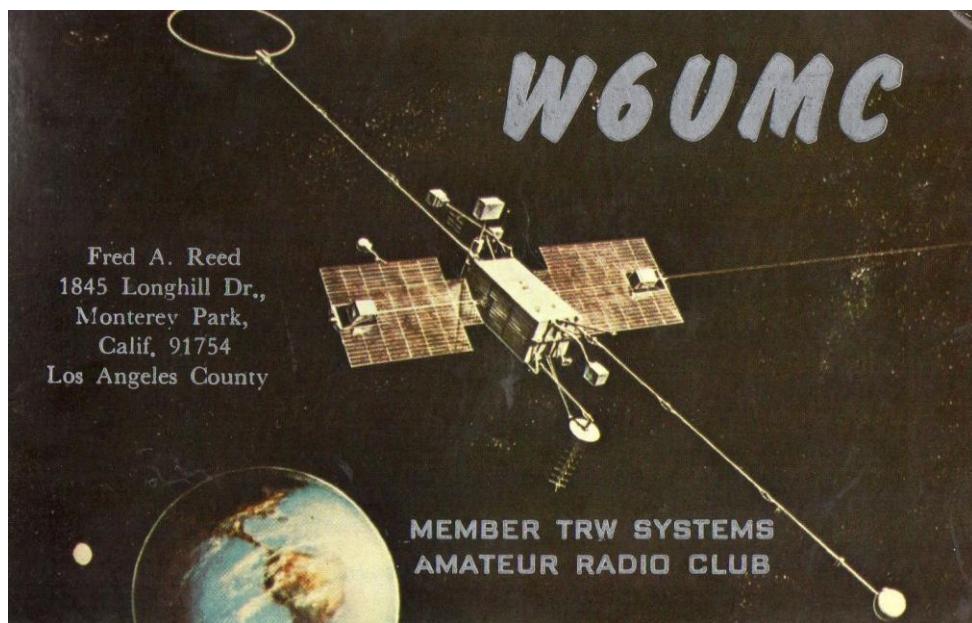
The Way We Were, continued.

Here's a whimsical card from WA2IUV dated 1965, with a rocket ship blasting off from New Jersey to the outer limits of space:



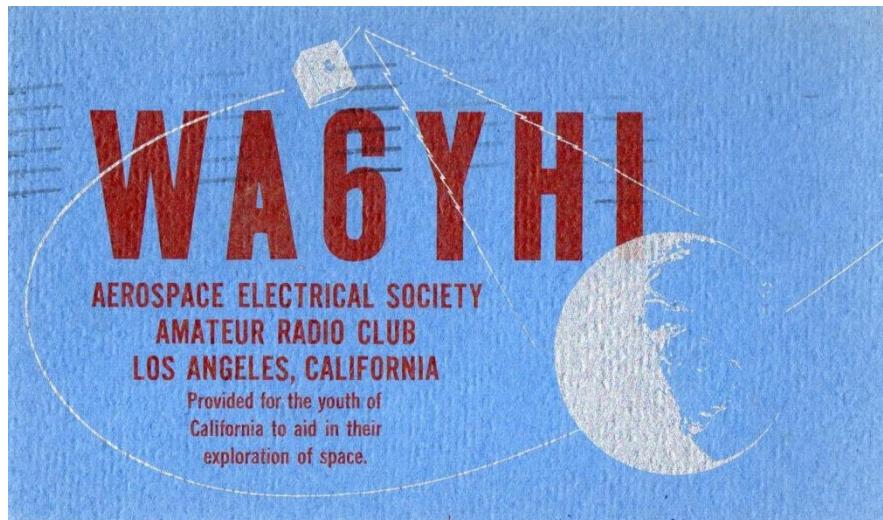
Joe was the son of WA2BNF, and both were once very active on 6 meters.

From 1966, here's W6UMC, an employee of TRW Systems, celebrating one of their spacecraft, possibly one of their observatories:



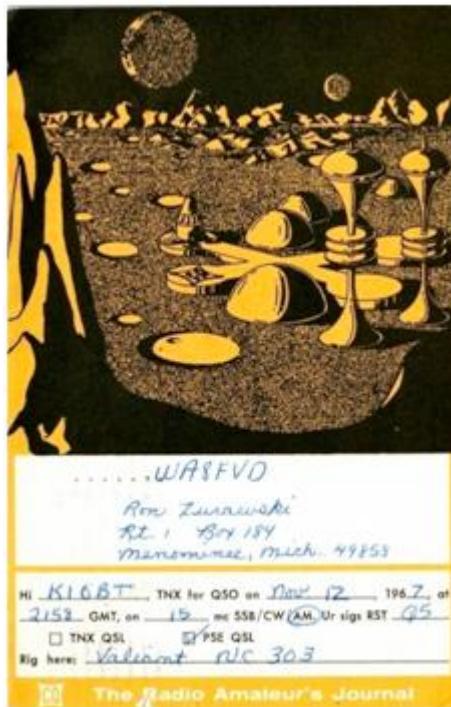
The Way We Were, continued.

Here's a card from an unusual special interest radio club dated 1966. It's WA6YHI, the Aerospace Electrical Society Amateur Radio Club of Los Angeles:



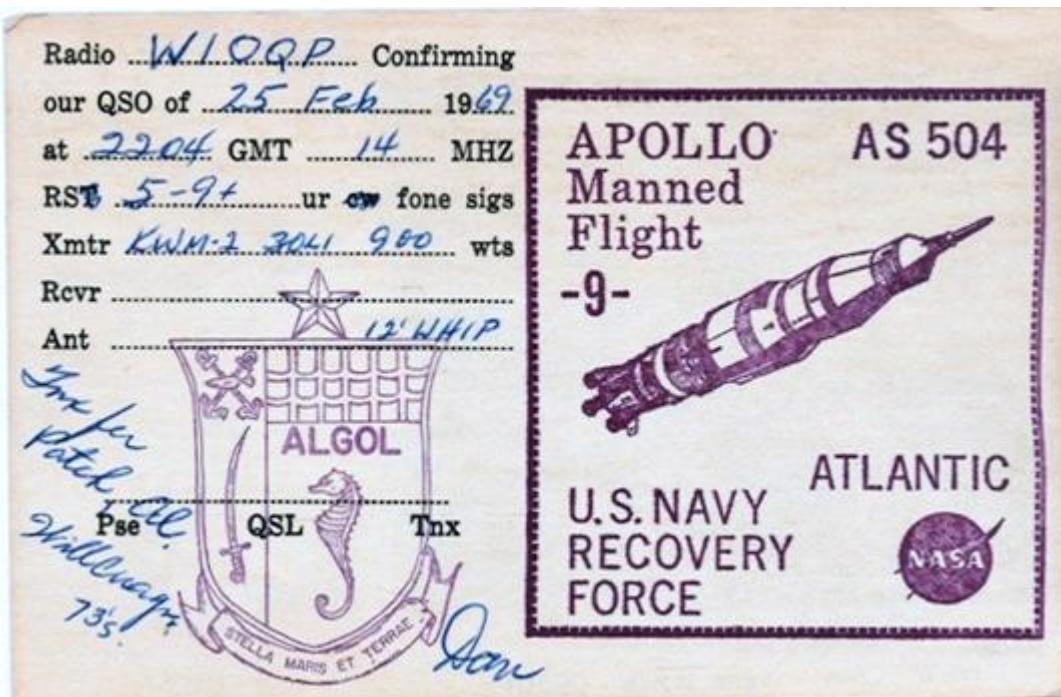
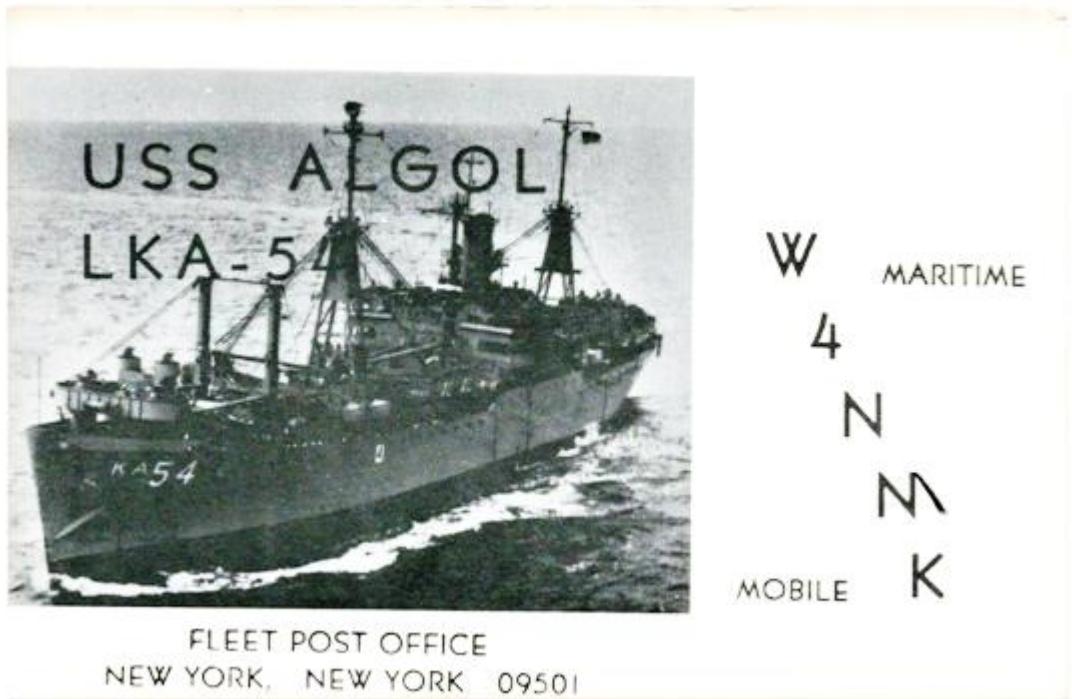
This club was "Provided for the youth of California to aid in their exploration of space." The call WA6YHI no longer exists, and there is no record online of the club, either. We can only wonder what became of them, and their noble effort to inspire the interests of youth in space exploration.

Here's an unusual, imaginative card from 1967 showing a future colonized planet:



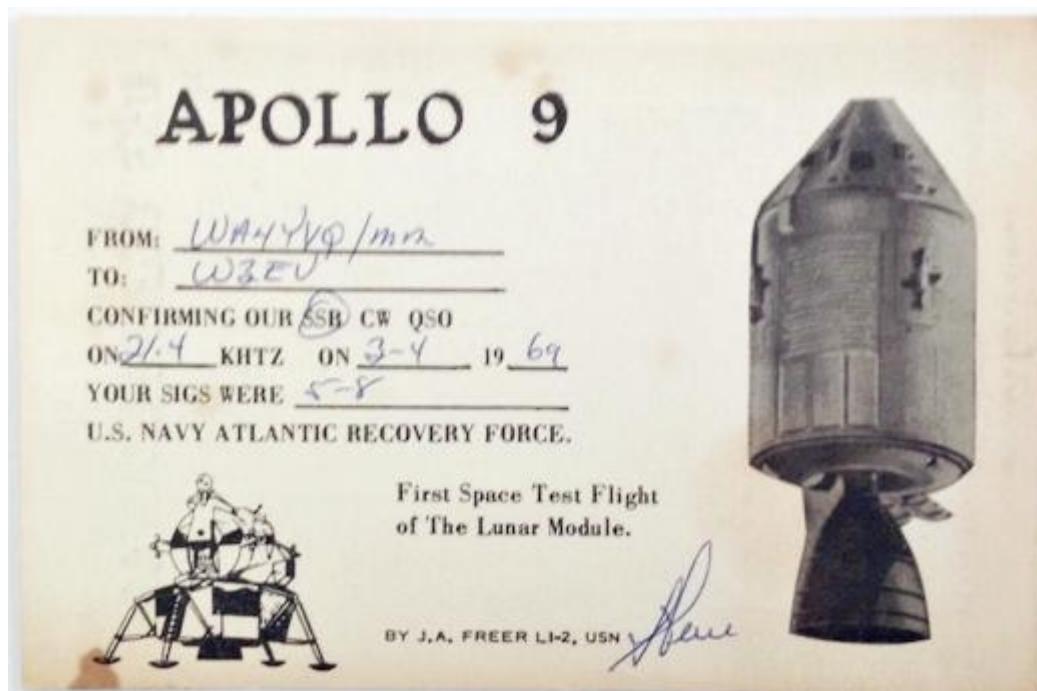
The Way We Were, continued.

Here are some cards from operators participating in two Apollo mission recovery efforts. The first is from Apollo 9, and the recovery vessel was the U.S.S. Algol in 1969. The operator was W4NMK:



The Way We Were, continued.

Here's another Apollo 9 recovery mission card, from WA4YVQ in 1969:

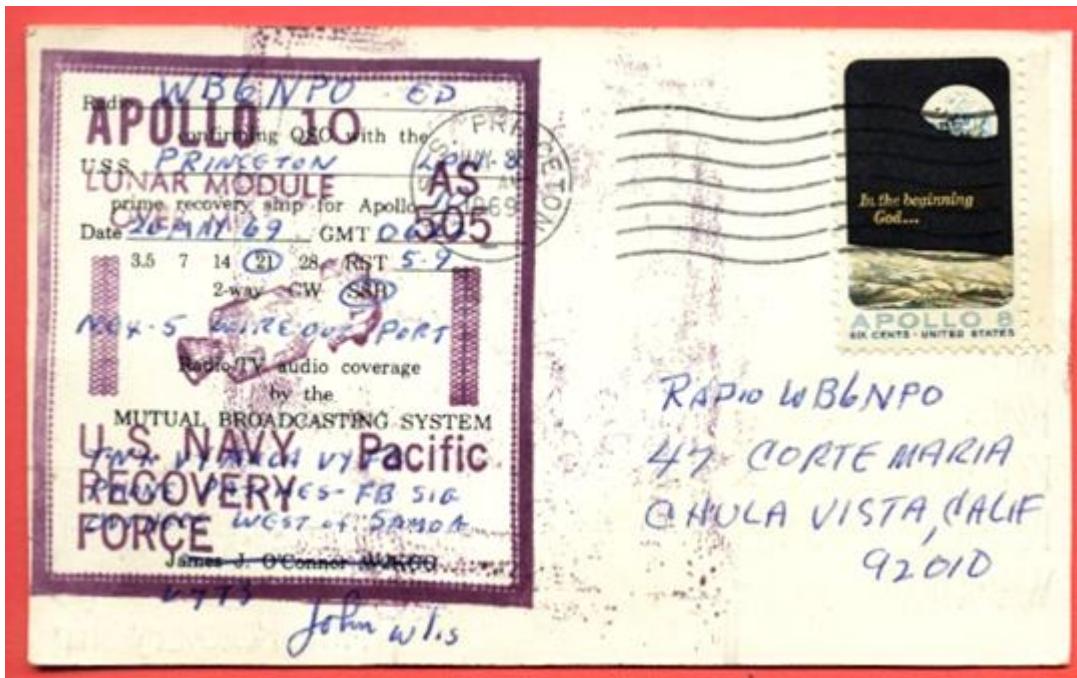


This one is from two amateurs, W3LT and W2KGO, who were members of the broadcast team covering the Apollo 9 recovery mission for Mutual Broadcasting:



The Way We Were, continued.

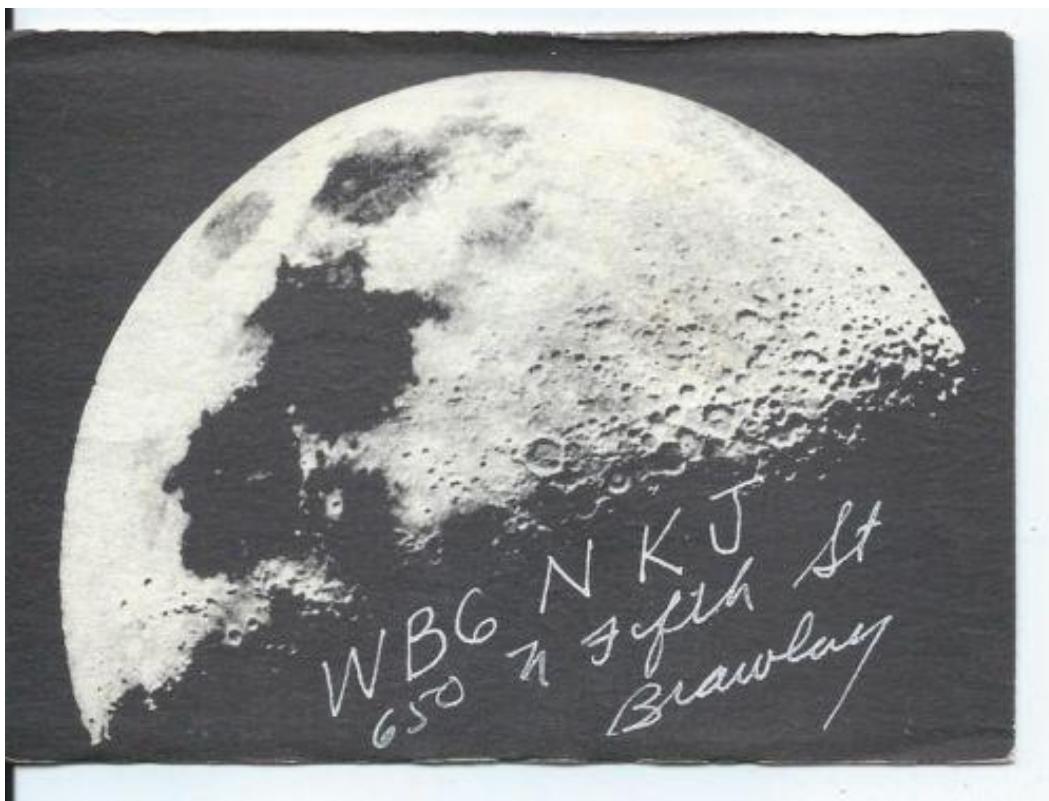
Moving on to the Apollo 10 recovery mission, we have this card from WA6UDH, one of ten amateurs on the Prime Recovery ship, U.S.S. Princeton:



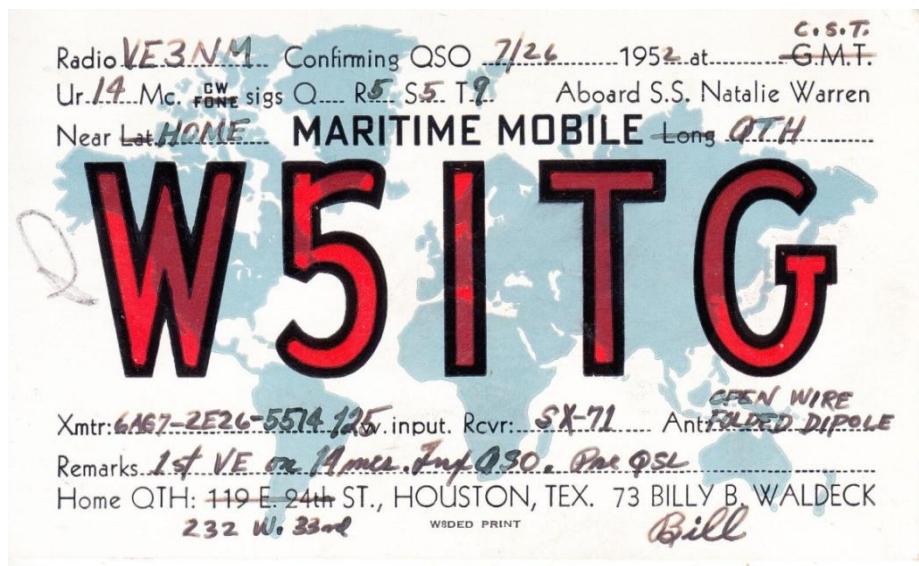
Note that of the ten hams aboard, six were from the broadcasting team; five from NBC, and one from Mutual. One represented NASA and three, the U.S. Navy.

The Way We Were, continued.

The moon was much on everybody's mind in 1969, and this attractive card from WB6NKJ in that year features a photo of the lunar surface:



No retrospective on the Space Age would be complete without some reference to another new obsession in the United States, that of U.F.O.s. For this part of our story, we go back in time to 1952, and this QSL from Billy Waldeck, W5ITG:



The Way We Were, continued.

Who was Billy Waldeck? He was the author of an article entitled, “The Night I Believed,” originally published in *The Lookout*, official publication of the Seaman’s Church Institute of New York, in 1974.

In Billy’s article, he gives an account of his encounter with a U.F.O. while serving as Radio Officer aboard the S.S. Natalie O. Warren. The event occurred on the night of November 22, 1952, and he provides details of his daily routine as a ship’s “sparks,” along with some good photos, including one of the ship’s radio room.

The ship had passed through the Florida Keys, and was near their home port of Pasadena, Texas. Turning up the volume of the receiver monitoring 500 kilohertz, (the former International Calling and Distress Frequency), Billy went out of the radio room and into the wheelhouse to join the Third Mate, Chief mate, and the “able seaman” at the wheel. One of the ship’s lookouts reported a bright, unidentified object in the sky that looked, at first, like a “shooting star.” The object was fast moving, and not an airplane. It was “brighter than any planet,” and the object glowed orange, like a piece of hot metal, but “pulsating.” Despite its brightness and speed, it was totally silent as it zoomed above them.

It’s quite a story, and rather than spoil it, I urge you to read Billy’s article, here:

<http://www.project1947.com/articles/lookout197402.htm>

Since then, and even before, there have been numerous reports of such encounters. I will not speculate on the origin or purpose of these objects, but only report that U.F.O.s have been around for a long time, and despite the progress we have made in space since the 1950’s, they have never been fully explained, so they continue to fascinate us to this day.

Until next month, 73,

Fred W2AAB

[NOTES on next page.]

The Way We Were, continued.

NOTES:

- [1] Sonnenberg, Maria, "Radiation Inc. Holds Final Reunion," *Florida Today*, June 1, 2017, at: <https://www.floridatoday.com/story/news/local/2017/06/01/radiation-inc-holds-final-reunion/102412582/>
- [2] "Vanguard," at: <http://www.astronautix.com/v/vanguard.html>
- [3] Lewis, Danny, "Why the U.S. Government Brought Nazi Scientists to America After World War II," *Smithsonian Magazine*, November 16, 2016, at: <https://www.smithsonianmag.com/smart-news/why-us-government-brought-nazi-scientists-america-after-world-war-ii-180961110/>
- [4] *Wikipedia* article: "Distant Early Warning Line," at: https://en.wikipedia.org/wiki/Distant_Early_Warning_Line
- [5] Ibid.
- [6] *Wikipedia* article: "Ballistic Missile Early Warning System," at: https://en.wikipedia.org/wiki/Ballistic_Missile_Early_Warning_System
- [7] "OSCAR 1 and Amateur Radio Satellites: Celebrating 50 Years," *A.R.R.L. News*, May 11, 2011, at: <http://www.arrl.org/news/oscar-i-and-amateur-radio-satellites-celebrating-50-years>
- [8] *Radio Amateur Callbook*, Summer, 1963, p. 313, at: https://archive.org/details/Summer_1963_Radio_Amateur_Callbook/Summer_1963_Radio_Amateur_Callbook_District_6/page/n17/mode/2up
- [9] Note [7] Ibid.
- [10] "A Seattle Icon," at: <https://www.spaceneedle.com/about>
- [11] Boisjoly, Roger, "Ethical Decisions: Morton Thiokol and the Space Shuttle Challenger Disaster – 'Introduction,'" *Online Ethics Center*, at: <https://onlineethics.org/cases/ethical-decisions-morton-thiokol-and-space-shuttle-challenger-disaster-introduction>
- [12] *Britannica* article: "Challenger Disaster," at: <https://www.britannica.com/event/Challenger-disaster>
- [13] Ibid.
- [14] Note [11], Op. Cit., "Responsibility and Conduct," and "Accountability."
- [15] *Wikipedia* article: "1963 in space flight, January - June," at: [https://en.wikipedia.org/wiki/1963_in_spaceflight_\(January%E2%80%93June\)](https://en.wikipedia.org/wiki/1963_in_spaceflight_(January%E2%80%93June))
- [16] *Wikipedia* article, "Thor-Agena," at: <https://en.wikipedia.org/wiki/Thor-Agena>
- [17] Google Maps, and "Distance Between Cities," at: <https://www.distance-cities.com/distance-cape-canaveral-fl-to-indialantic-fl>
- [18] Waldeck, Billy B., "The Night I Believed," *The Lookout*, February-March, 1974, at: <http://www.project1947.com/articles/lookout197402.htm>

2022 FLARC ACTIVITY CALENDAR

| | | | |
|--|------------------|--------------|--------------------------------------|
| | Saturday | June 4 | FLARC Hamfest |
| | Sunday | June 12 | Radburn Street Fair |
| | Saturday -Sunday | June 25-26 | ARRL Field Day |
| | July | TBD | Independence Day Fireworks |
| | August | TBD | Vintage Night (tentative) |
| | Friday | September 16 | POW-MIA Day Event |
| | Sunday | October 16 | River Road Street Fair |
| | October | TBD | Portable Day with BARA |
| | Friday | December 30 | Youth on The Air Contest (tentative) |

If in doubt about any event, consult calendar at <https://fairlawnarc.groups.io/g/main/calendar>

There Is No Dues Fairy



Pay Your Dues—Final Call!

Around the Shack

Hal Kennedy N4GG/4

The Elser-Mathes Cup

Um, what's an Elser-Mathes Cup and why haven't I heard of it? That was my first reaction on encountering this most curious object. I thought I had hamdom's sacred symbols figured out - the Wouff Hong, the Reddysnitch and even the seldom mentioned Uggerumph. I've been at this for 61 years. Can there be a corporal item I somehow missed?

A future *Around the Shack* column will shine light on our sacred symbols – the ones mentioned above. If those have escaped your notice, you can preempt my future writing by reading about them on various ARRL web pages. Everyone should at least know the Wouff Hong and understand the consequences of getting on the wrong end of one.

I got a kick out of Saturday Night Live not long ago. Elon Musk was the guest host. Michael Che asked him six-ways-to-Sunday what Dogecoin was. Every serious answer Musk gave was met with: Yeah, but what *IS* it? “It’s a crypto-currency based on unbreakable algorithms.” Yeah man, but what *IS* it? Having run out of technical answers, Musk finally admitted Dogecoin was, in his words, “a hustle.” Ah - an insight into crypto-currency from someone who knows it well. You thought crypto-currency was a block-chain whatchamacallit, but Michael Che teased out the correct answer. It’s a hustle. I think that’s good to know.

Okay, I have the same question about the Elser-Mathes Cup: What *IS* it? I do know it's a carved wooden statue of two bald naked men holding up a bowl with one hand - the other placed on the head of a sitting child. I know that much. But what *IS* it? It dates to 1929 and a guy named Elser is responsible, but that doesn't help with knowing what it is. It's not fictional, it's real. It's depressing to note The Cup has been knocking around the W1AW station for 93 years. Much as I like the place, I would not want to spend 93 years at W1AW.

Back in the day (pre-1929ish), award after award had been offered for advances in “wireless.” The term “radio” became a thing around 1920, but everyone including hams were slow to adopt “radio” and kept calling what they did “wireless,” to distinguish it from the wire-line telegraph. As fast as awards were dreamt up, records were broken. DXing was off and running. So was contesting. How fast could you relay a message across the US and back? There was an award for that. It was won and that begat a more challenging award. That award was won and that begat another. You get the picture. Radio technology was moving fast in the teens and '20s and hams were in the thick of it.

Around the Shack, continued

As an aside, the relayed messages had actual content. They were not 599 over. Also, given that the transmitters were spark, the correct signal report would have been 592, not 599. That is if the RST system had existed, which it didn't. RST came along in 1936. [Look at all the great information in this column!]

Few of us seem to have considered the ARRL acronym. It's the American, Radio, *Relay League*. It describes what the organization was organizing (um, a relay league) in the days when spark rigs had a range of no more than 500 miles. Relaying was a necessity. There was lots of rivalry around winning the awards and contests for how fast and how far you could relay a message.

So, back to the question at hand – what *IS* that bowl the bald men are holding up? Why, it's the Elser-Mathes Cup! Yes, but what *IS* it?

At the time the cup came into being, Elser was a resident of Manila (the Philippines, not one of the twelve US states that have thirteen towns named Manila; Alabama has two). As the story goes, Elser became friends with one Stanley Mathes, a Navy Lieutenant Commander who was stationed in the Philippines. If you have spent time outside the US you know ex-pats find and befriend each other.

Elser and Mathes were hams although their callsigns do not appear in historical accounts.¹ In conversation they discovered mutual discouragement over the sad state of affairs befalling ham radio awards and challenges. Everything had been won. Regulations were beginning to hamper further advancement. A new award seemed to be in order - one that would be hard to win.

At this point in the story I'd like to introduce a question. Ex-pats are known for bonding in the company of adult beverages. The Philippine Islands have great beer. San Miguel (a light Pilsner, the original pale Pilsner being from the Czech Republic, circa 1842) was the beer of choice in 1929, as it is now. What role did San Miguel play in the creation of the Elser-Mathes cup? Alas we will never know the answer to this important question.

Elser was well traveled. He met Hiram Percy Maxim, "HPM," (that was the actual name of a real person, no kidding) in Hartford, sometime prior to 1929. HPM related his keen interest in the planet Mars – he even possessed a globe of the planet. HPM's Mars-interest left an impression on Elser. It became a topic of conversation with Mathes, perhaps over a few San Miguels.

What is the question to which the answer is: "A major award?" If you've been paying attention you know it's not a leg-lamp, it's the Elser-Mathes Cup! That *IS* what it *IS*. Elser and Mathes were clever. They created an award that was REALLY HARD to win. Something that would gather dust at W1AW for over 90 years (okay, I made that up).

The cup is still available and yours for the taking. The rules are simple. Complete a two-way QSO

Around the Shack, continued

with someone on Mars and it's yours. The first Earth-Mars QSO wins. The rules require a ham on both ends.

Were Elser and Mathes prescient enough to foresee repeaters and interplanetary exploration via machine? Did they fathom technical improvements in radios and antennas could one day make Earth-Mars QSOs possible without a human on the Mars end? Did they see *marsbounce* on the horizon? Intentionally or not, Elser and Mathes shut the door on non-human interplanetary machinery and on bouncing. You have to show up (on Mars). Did I mention the boys were tired of the award-a-week status quo and wanted an award that was *R-E-A-L-L-Y H-A-R-D* to win?

Regarding bounce, hams have already accomplished EME (moon) and EVE (Venus). EME (Earth-Mars-Earth) can't be far off. There are two problems however. It won't count for the Elser-Mathes Cup without a ham on both ends and we need an unambiguous acronym.

Well, we have come full circle and it's time for Elon Musk to reenter. Like HPM, Mr. Musk has "a thing" about Mars. Unlike HPM however, he has the resources to do something about it. Musk predicts mankind will first set foot on Mars in 2029. Did he choose the year to coincide with the Elser-Mathes Cup's 100th birthday? If so, he isn't saying.

If Mr. Musk's Mars explorer is a ham (it's doubtful he will go himself) the cup may finally be excavated at W1AW and sent to some lucky soul. Or some unlucky soul, as the rules neither specify nor imply the Mars explorer will ever return. Which end of the QSO gets the award? The Earth end or the Mars end? If Mars, how much will postage be?

Pictured here is the Elser-Mathes Cup. How could any ham not wish to go to Mars, knowing this major award awaits their endeavors? It's not just any major award either. It's two bald naked men holding up a bowl with one hand, with the other on the head of a sitting child.

N4GG

Suggested reading: QST, December, 2015; *The Past, Present, and Future of the Elser-Mathes Cup*.

1. Neither Elser nor Mathes appear in my copy of *Radio Stations of the United States*, July, 1916. Also, HPM does not appear. In 1916, callsign 1AW was issued to someone named E. G. Ham (not a joke, not mine anyway).



The Elser-Mathes Cup,
aka the Bald Men Holding a Bowl Cup.

Ed - itorial :**I will have a piece of Danish please**

– by Ed WX2R

In a recent story in *Southgate*, the board of Denmark's national amateur radio society have released their report for May. They say we old people must do more to get those aged under 40 to take up amateur radio. Despite a recent increase in interest and membership attributed due to COVID (much like here) and (apparently) putting aside some inside politicking, the conclusion of the Board was "We would like a much larger age distribution in the member base. We must, without offending some, acknowledge that we are all legally old".

Rather blunt I would say. But, nevertheless, the truth. I looked in the mirror to confirm it.

Prescient as always, in the recent FLARC member survey many members also expressed much the same thing. We need to recruit young people to the hobby, not just the club. This is despite the overall growth of the club and the lowering of the median age over the last five years.

So, how young? According to most sociologists, the primary age for cultivating interests is in the early teen years – who you are is what you were then. "That's when I got interested!" you say. CB, SWL, *Popular Electronics*, Jean Shepherd, etc. all got us interested in "the magic of radio."

But those days are gone. Archie, Betty and Veronica would look, and act, quite different today as social mores have changed. We are now two generations passed from when we got interested – when analog radio, TV, and electronics had their heyday. Most of our new members (three years or more) are over the age of 40 and their reasons for joining speak to an interest in science or technology.

All good. Those few who have had an interest and are under 30 are usually "one and done" – either because they saw no value, or we imparted no value in helping them to stay. The needs of the seekers are indeed different from those of the believers unless we change it.

Ed - itorial, continued.

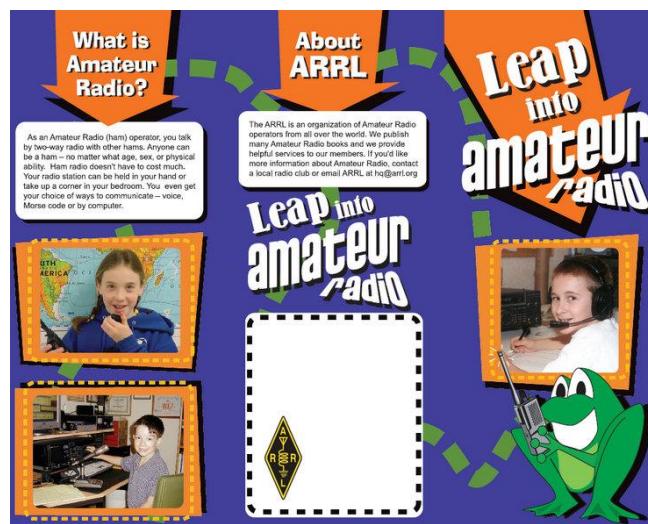
So maybe we should emulate the Danes and force an initiative. Have ideas as to how to reach people under 30?

Let's put together a work group to develop and implement ideas. In Orlando, the work of Neil Rapp WB9VPG and the 2021 *Youth on the Air Camp* was refreshing and hopeful. So is the ARRL Collegiate Amateur Radio Initiative.

But the balance of the "youth-centric" initiatives out there seems to be a step backward IMHO. One in particular is a sad tale of "how not to do it" but is still recycled in conferences like an old handkerchief. What worked twenty years ago will not work today – guaranteed.

Who wants to step up rather than complain about it? We have an Education Committee purportedly in place that can be of assistance.

Time is of the essence, yes?

**Portable Day at BARA**

Thanks to all who participated in this year's Spring edition on BARA's turf.

Lots of fun, food and a few QSO's in-between. And with lots of duplicate FLARC/BARA members, it is a mixer that doesn't require much shaking.

See you in the Fall with FLARC, at Fair Lawn Memorial Park (our Field Day and Hamfest site).

Digital Voice SIG Update



DigiVoice@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in Digital Voice modes (Digital Mobile Radio) communications and software.

DMR nets have been in low attendance on Bradmeister TalkGroup 310015, Tuesday evenings at 7:00pm.

If others would like to be net control, join the group and send a message.

We would like to thank Brad for the use of TG 310015.

Instructions to build a Digital Voice Hotspot with Raspberry Pi for under \$100 are available on the SIG in groups.io.

There is also a FLARC "digital-voice" channel on Slack.

For those interested in joining all the Digital Voice excitement! Contact Bob H. KD2BKD@optonline.net for information on the Digital Voice SIG.

Or just go to the club website <http://FairLawnARC.org> and use the "Join Special Interest Group(s)" link on the left.



310015
BrandMeister

Radio Monitoring Special Interest Group Update

monitoring@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in SWL and other radio communications monitoring.

Three months after the start of Ukraine conflict, the airwaves remain intensely interesting in the monitoring of both information and military traffic. "FlightRadar 24" shows continuous military activity in the region and my Twitter feeds are also quite active.

B-52 activity has been noticed especially over Romania, which is close to the Ukrainian border. Also noticed on FlightRadar have been drones, operating from Italy, and hovering over the Black Sea. The fact that they can be monitored indicates that they are Western propaganda tools, while most of the intelligence sites monitoring Russian radio are, of course, not available.

Watching the feeds and listening to the bands shows that every NATO country has been operating over either Romania or Poland. From RTL-SDR.com it was noted that it has been found that, since the start of the invasion, Russian Strategic bombers have been regularly active on USB voice at 8131 kHz. It has also been noted that a European security firm can predict air raid siren activations based on increased bomber HF activity. Talk about algorithms!

It has been observed that several Russian military HF stations, including the famous UVB-76 Buzzer, have been jammed with either the Ukrainian national anthem, or various meme-type songs. It is likely that these stations are being jammed mostly by civilian activists, or members of the activist hacker collective known as Anonymous, rather than any military organization.

The UVB-76 Buzzer is a famous and mysterious numbers station that plays a buzzing sound and sometimes voice. It can be received from all over the world. Via civilian investigations, and through the use of the KiwiSDR TDoA direction finding

Continued on next page.

Radio Monitoring SIGroup Update, continued.

functionality, it has been found to be transmitted from a location just north of St. Petersburg (Russia), and is assumed to be a military signal of some sort.

<https://www rtl-sdr.com/kiwisdr-tdoa-direction-finding-now-freely-available-for-public-use/>

Some frequencies to check out are 5125 USB, 4615 USB, 8131 (again), 4220 USB, and 4625 USB. These are Russian frequencies within Ukraine. It has also been noted that false Russian military radio frequency channels are being posted around the internet. I would suspect Russia did this to try to confuse those who would want to intercept their movements. These kHz are fake (and most are China controlled): they are at 10057, 12095, and 4759 (night).

Here is a short video posted on February 24th that provides some good background on monitoring Ukraine, from MØSZT:

<https://www.youtube.com/watch?v=FrrLKJrD58E&t=51s>

Check out CIDX for the latest crowdsourcing of both data and frequencies; they are the best I have seen. For Twitter feeds, I am following @ConflictsWW, @AircraftSpots, @LondonShortwave, and @kaedotcom.

DE WX2R

How To Make A Report

Weather spotters provide an invaluable service to their communities and to the National Weather Service.

Spotter reports aid in the warning decision process as well as in critical decisions to protect lives.

Thank You!

Questions to answer...

WHAT did you observe?

WHEN did it occur?

WHERE did it occur?

HOW LONG did it last?

Things we want to hear about...



Wall Clouds



Funnel Clouds



Tornadoes



Wind Speeds



Flooding



Hail

Damage Of Any Kind!



NWS Goodland, Kansas



Build a Digital Voice HotSpot with Raspberry Pi Zero W

By Bob Holstrom – KD2BKD

This Digital Voice HotSpot works with many Different Digital Radio Modes, DMR, D-Star (Icom, Kenwood, FlexRadio), YSF/FCS (Yaesu, System Fusion, C4FM), P25, NXDN (Icom, Kenwood). The HotSpot will also cross band to use one type of a digital radio to get onto other digital voice type networks.



This project is based off the MMDVM (Multi-Mode Digital Voice Modem). MMDVM is a combination of hardware and software developed to handle all amateur digital voice modes. The MMDVM software for Raspberry Pi is “Pi-Star”, which is a pre-configured SC card image.



Parts needed are a MMDVM Board available on Ebay and Amazon for about \$50, this typically comes with antenna and headers to solder onto the Pi. A Pi Zero W, Flash Card, and Micro USB Power Supply are available at Microcenter for under \$40.



Detailed instructions on how to put this all together are on the Digital Voice SIG group. Join by sending email to: DigiVoice+subscribe@FairLawnARC.groups.io

Satellite Special Interest Group Update

Satellite-SIG@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in amateur radio satellites, as well as others like weather, GPS, etc..

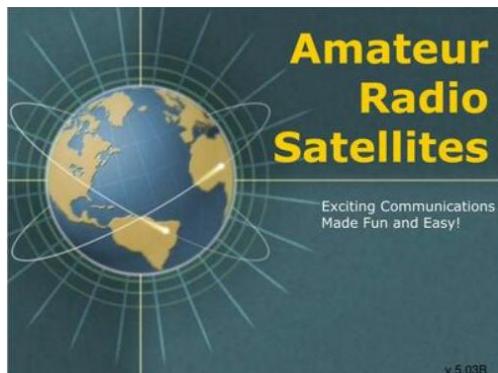
We welcome all interested in all types of satellite communications. Some interests are AMSAT, ARISS, receiving weather maps from satellites, APRS via ISS, and much more.

There is a FLARC "satellites" channel on Slack.

The ARISS is in Cross-Band Repeater Mode on frequencies (145.990 MHz up {PL 67} & 437.800 MHz down) at the time of this writing. For help on how to talk up to the ARISS join the SIG and the "satellites" slack channel and ask for assistance. ARISS is powered OFF during some experiments, scheduled school contacts, docking and undocking maneuvers.

<https://www.ariss.org/current-status-of-iss-stations.html>

For those interested in joining all the Space Radio excitement! Contact Bob H. KD2BKD@optonline.net for information on the Satellite-SIG. Or just go to the club website www.FairLawnARC.org and use the "Join Special Interest Group(s)" link on left.



In A Nutshell



As I write this, the club just participated in providing communication for the Fair Lawn Memorial Day Parade. It was hot in the sun as Judith and I were in the lead car, after the front police car and the bagpipers. We were in a BMW Z4 and had the top down, which made it hot.



The enthusiastic crowds made up for the heat and it was fun as all of us from the club helped to provide service to the community. Special thanks to James Graff, the head of the Recreation Department, who was one of the key persons who made everything possible.

Meanwhile, back at the ranch, work has been going on to prepare for the hamfest. There is also a lot of work going on behind the scenes to fix and upgrade equipment at the club, which is in the Fair Lawn Recreation building.

Upcoming are the Radburn Street Fair, Field Day, and the July 4th fireworks. That is a lot to be sure. With hot weather upon us, it is important to keep hydrated and cool and don't overwork yourself. Remember safety first!!

Get on the air and TALK to maybe half a world away!

Fred Wawra, W2ABE, 73.



What Is It? – Answer To Last Month's Question

By: Fred Belghaus W2AAB



We had several guesses for this one, but it was first correctly identified by Bill Leger WA2WL. It is a high voltage fixed vacuum capacitor. Correct answers were also received from Frank W3LPL, and Alan WB2HJZ. The capacitor is rated at 50 picofarads, with a voltage rating of 5 kV, and an estimated maximum current rating of 10 Amperes. However, I must apologize for one mistake. I said it was made by General Electric. The actual manufacturer is Western Electric, and the part number is 8047.

High voltage vacuum capacitors are used in high power RF amplifiers and ATUs¹, but also to tune electrically short verticals or small transmitting loops, where very high voltages are likely to be present due to the reduced size of the radiating element.

¹ Antenna Tuning Units

There are also high voltage vacuum variable capacitors used similarly, but they are often quite expensive, especially when motorized, to permit remote tuning of verticals from the shack.

What Is It? – Answer To Last Month's Question, continued

Here are some examples of vacuum variables. The first one is made by Jennings, rated at 300 pF at 7.5 kV. It is manually adjustable, and has an asking price of \$198.00.



Image: eBay

Here's a view of an ATU built by ZL2AL using a pair of vacuum variables, adjustable from the front panel with a pair of counter-type verniers:



Image: <https://www.zl2al.com/1448/vacuum-variable-hf-tuner/>

What Is It? – Answer To Last Month's Question, continued

Here's an example of a small motorized vacuum variable that would be perfect for a small transmitting loop:

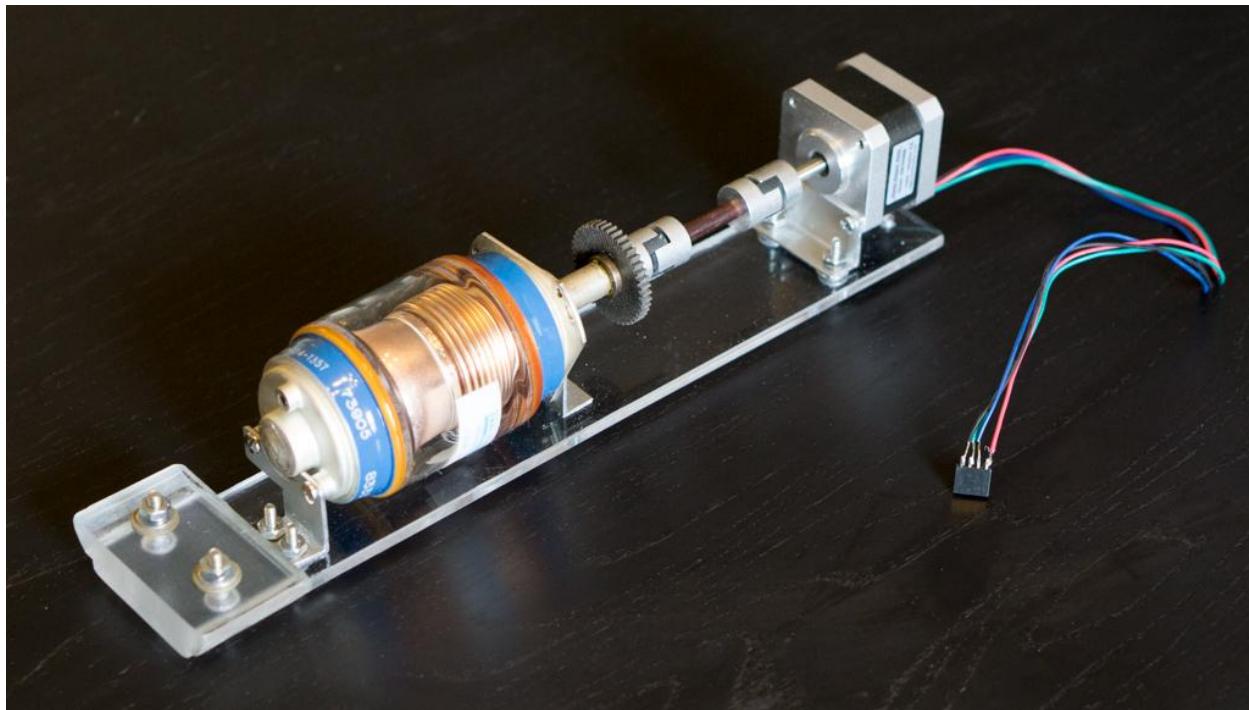


Image: <https://sites.google.com/site/lofturj/to-automatically-tune-a-magnetic-loop-antenna>

This one is also made by Jennings, and rated at 465 picofarads. It is used in a magnetic loop built by TF3LJ (Iceland), and operated by a 2-phase stepper motor with a remote controller.

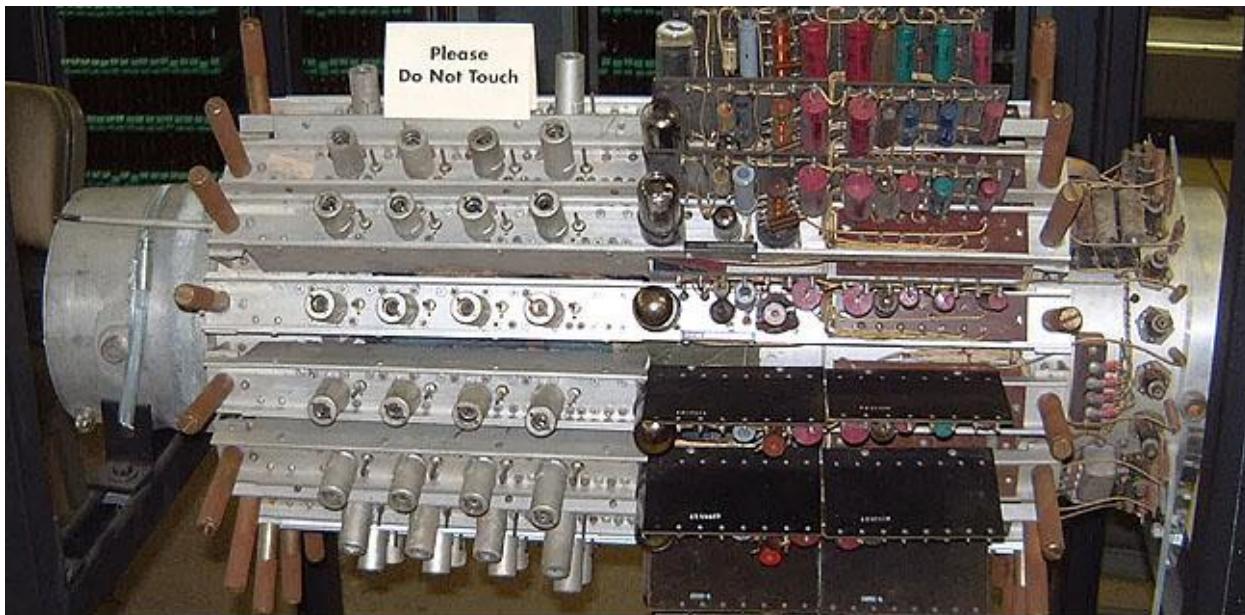
Although vacuum capacitors are manufactured by several companies, most of those available in this country are made by ITT/Jennings. I once saw a vacuum variable at a hamfest at a "reduced" price. The price was reduced because the glass envelope was cracked. Um...no thanks! Once the vacuum is compromised, the capacitor will never handle its rated high voltage.

Until next month, 73,

Fred W2AAB

What Is It? – May, 2022

By: Fred Belghaus W2AAB



This is one of my all time favorites. With this month's challenge, we will separate "the men from the boys." Yes, it's a large assembly of some kind with a lot of miniature vacuum tubes in tube shields and some without tube shields, plus a lot of other components. But what is it?

If you know this one, you are GOOD!

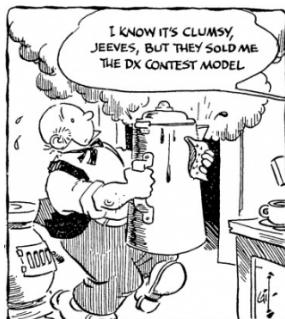
Answer next month.

73,

Fred, W2AAB

Contest Corner

– Van W2DLT



Bet Fred W2AAB had one of these perking away!

It is VERY IMPORTANT to be prepared for those long hours in the chair for ANY contest activity – even QSO Parties.

The annual **WPX-CW Contest** [WPX = Worked all Prefixes] was held over the May 25-28th weekend. Many people managed to take advantage of quite good conditions and land a large number of new entities in their logbook. Nomar operated for a while from the Club Station and others worked from home to make it a fun event for everyone. Several folks, like our friend John W2GD, operated from remote locations around the world (John was in Aruba – where he scored over 10,000,000 points).

Others just had fun with it and didn't care about their score. Be sure to send in your log though, no matter how modest the score.

Dayton Hamvention is in the books – what a time we had. FLARC was well represented: NP4H, W2MSA, W2DLT, N2SU KD2KLN, KA2YRA and many others. It is like NOTHING you've

ever seen if you haven't been reservations will be taken by the starting on Monday, June 6, 2022 You can get room reservations by see that there are no rooms for been blocked for Contesters and June 6, 2022 at 9 AM EDT, you can call 937-879-2696 and ask for a reservation in the Contest University 2023 room block. There is no minimum night commitment. The room rate is \$145 per night plus tax and that includes a hot buffet breakfast each day of your stay. The room rate is the same for a single queen, two queens or a single king with a pull out.



there. **NOTE:** Room Hope Hotel for Dayton Hamvention week 2023 at 9 AM EDT. Do not call them before that time. phone only. If you try to book on line you will those dates. Every room in the Hope Hotel has DXers for Hamvention week. Starting Monday

NOTE: Room

Good details are here: <http://contestsupersuite.com>

Contest University will be all day on Thursday May 21st – that is well worth the fee to attend an ALL-DAY group of presentations by the VERYY BEST Contesters from all over the world, Don't miss it,

Now down to more localized activities.

FLARC HAMFEST – June 4th – it promises to be a biggie. New, much larger location with a lot of organization going into making it a huge success. Gene WO2W with Dave KD2JIP in the sidecar (handling the website) are doing a bang up job and the weather looks like it will be wonderful as well.



FLARC Field Day 2022 June 25th and 26th



Here's Fred getting the CW tent ready for Field Day

Held, as usual, at Fair Lawn Memorial Park. We'll have food, fun and lots of other activities ably handled by Chairman Noel W2MSA and his committee.

**EVERYONE SHOULD PLAN TO PARTICIPATE IN SOME WAY,
THIS IS A WHOLE CLUB EVENT – NOT JUST A FEW**

"REGULAR" CONTEST ACTIVITY THIS MONTH:

---Two QSO Parties: Kentucky QSO Party on June 4th and West Virginia QSO Party on June 18th.

---The ARRL June VHF Contest on June 11th and 12th and the ARRL International Digital Contest on June 4th and 5TH

---ARRL KIDS Day June 18th... Give the kids someone to talk to...

Continued on next page.



FLARC PortableOps SIG

PortableOps@FairLawnARC.groups.io

This is a Special Interest Group (SIG) for members interested in portable ham radio operation such as POTA, SOTA, IOTA, LOTA, etc. The purpose of this SIG is to get outdoors and practice our operating skills from different places. We can share outing experiences, tips and work on our operating skills.

FLARC and Bear Mountain

– What A Day it was

(by event organizer, KB2FMH)

In what was the first Special Event Station (SES) since Covid put a damper on regular life, members of the FLARC Portable Ops group joined the Ten Mile River Scout Camp ARC (W2TMR) and Radio Scouting, the Amateur Radio arm of the Boy Scouts of America, in presenting SES K2T on Saturday April 2nd in conjunction with the Bear Mountain Conclave commemorating 100 years of NYC Scouting and 95 years since Scouts camped in Harriman State Park.

The Conclave, sponsored by the Palisades Interstate Parks Commission, was held at the famous Bear Mountain Inn in Rockland County NY, where the Ten Mile River Scout Museum put on a display of historical photos and talks by local historians. The Inn itself dates to 1915, which is around the time that Scouts began camping in the area.

The SES operation consisted of four individual stations, setup in a pavilion just north of the Inn, by members W2ACT, KA2YRA, KB2FMH and guest (soon to be member) N4ESU, while N2BTD operated from his vehicle (and handled our POTA & Cluster spotting for the better part of the day), as he had to leave early for a family commitment; but remained with us in spirit till the end.

Other members of the club (listed below) helped build the stations or stopped by to take some Mic Time throughout the day – making it a fun

Report from Portable Ops SIG, cont'd

gathering of friends after so much time “Distancing” thanks to one little microbe!

Although it was somewhat hampered by unexpected solar activity the day before and Saturday morning, conditions for RF picked up in the afternoon allowing for several hundred contacts - which also gave Parks on The Air (POTA) hunters a bonus as the venue is a registered park as well as having an Historic Trail a few feet from the operating positions, so they got what is referred to as a “2fer” (two parks, one contact).

Overall, the event was a great start to the many special events scheduled in April through August; so look forward to W2E, W2P, W2F and W2I - and of course the ARRL Field Day.

We had great support from the park Manager, Jen Sylvestri, and her team and thanks also to the members who helped in station building and operation across the bands and modes: in no particular order they are -

NP4H, KD2KLN, W2JC, WI2W, K2KCC, KD1OEM, KD2JIP and KD2BRV.

Also a big thanks to Portable Ops SIG Chair W2MSA who, although he was unable to participate in person, was with us via radio and our Slack channel constantly – making sure we were all doing what we were supposed to!

Thanks also to anyone reading this who may have called in for a contact or two.

The commemorative card will be printed soon and sent to all in attendance and those callers who request one via the instructions on the website – SASE to W2TMR Directly.



Continued on next page.

Portable Ops SIG, continued.

Fleet Week (Live) • NYC



This Special Event Station, W2F, celebrated the return of Fleet Week NYC to New York Harbor after two lost years due to the Covid-19 Pandemic shutting down everything in the US since early 2020.

Although 2020 and 2021 had Virtual Fleet Week events it is nothing like having those amazing ships come sailing under the Verrazzano-Narrows Bridge the week preceding Memorial Day each year. All of New York and the entire globe was happy to again host this momentous event!

W2F has ended with tremendous positive results from the thousands of callers over the six days of operation. Thanks to all our Maritime Service Vets and active members that called to our operators, sharing your experiences and stories with us. The W2F Team was proud to put this event on for you and looks forward to Fleet Week 2023 with great anticipation...

Thanks to our amazing operators and support staff, mostly from the FLARC Portable Ops SIG, for making this a great special event operation:

Steve, KA2YRA | Glenn, N2ESU | Ken, W2SCT |
Steve, WI2W | Jeff, N2SYE | Kevin, K2KCC |
Steven, W2SMF | David, K2DBK | Brian, N2BTD

Many excellent photos on the [W2F QRZ.com page](#).



James KB2FMH working the W2F pileup



Jeff N2STE at the mic and Steve W2SMF of the Nassau County ARC, operating W2F at Hempstead Lake State Park, K-2072.



KA2YRA at a typical POTA setup

Continued on next page.

Portable Ops SIG, continued.**Returns to NY Harbor in 2022**

– James Gallo KB2FMH

A Fleet Week special event was suggested by N4ESU, Glenn, in 2021 when he had met a National Park Ranger at Fort Wadsworth in Staten Island while doing a POTA (Parks on the Air) activation during the height of the Pandemic. The park ranger mentioned they have a great view of the ships entering NY Harbor from the lookout by the old fort. Glenn tried contacting her after talking to me about it, as I live directly across from the fort in Bay Ridge, Brooklyn, and could easily do it for the day the ships sailed in.

After no response from the ranger, I did some research to see if we could get on the Intrepid waterside deck – only to learn that the Navy had once again cancelled it for Covid precautions and there would only be a “Virtual” tour of ships on social media. Well, that soured my enthusiasm fast and I forgot about it and moved to my other big event, the West Point Camporee, which was also cancelled in 2020 and again in 2021!

“No Special Event happening this year” I thought, and got more involved with POTA. I became the area 2 logging manager and a logging application development team member.

That was fun but I really enjoy the unique events, so as 2022 rolled in I learned that not only was the Dept. of Defense giving the go for West Point’s Scout Camporee (which you read about previously), but my contact at the DoD said the Navy had approved “in person” Fleet Week events this year. I was excited and began planning them all, as well as a last minute event at Bear Mountain for 100 years of NYC Scouting.

I quickly engaged Glenn and some members of FLARC, who had expressed interest in doing Fleet Week after having a great time at Bear Mountain and West Point. My goal was to be on the deck of the USS Intrepid for the Parade of Ships on May 25th as they all sailed up-river to the George Washington Bridge and turned back toward the city – with three ships going further down to the

Homeport in Staten Island (the USS Milwaukee and US Coast Guard Cutters Sycamore and Defender). I tracked down every prospect to get on the Intrepid but alas, they said they would just be too busy to have us on board with a radio station this year with such short notice.

This turned out to be a great thing as I ended up at the best possible place of all, under the Verrazano Bridge at 06:30 when the first ship, the USS Bataan, made its way into the Narrows with an escort of NYPD and Merchant Marine tugboats. Then the surprise ship, the HMS Protector from Great Britain steamed in behind the Bataan... followed by the Coast Guard Cutters and assorted Navy patrol boats and assault ships along with an air escort of Navy attack helicopters, a pair of V-22 Osprey Aircraft and a USMC AB-8V Harrier. I could not have been at a better place, all the while making W2F contacts as I described “live on the air” the passing of each ship.

Having promoted the event on every Ham related Facebook page as well getting a top-billing on QRZ.com’s news feed, I had an instant pileup as soon as I began calling “This is Whiskey Two Foxtrot – Fleet week NYC’s Return to NY Harbor Official Celebration Station”.

Once all the ships disappeared from view I packed up and went to sleep. 6:30 AM was not a time I am accustomed to being awake, no less out and transmitting!

I contacted some FLARC members and had gotten them in on the action, activating the call on different bands and modes that afternoon. In the ensuing days more came “On Board” so to speak and by the next day everyone was getting pileups as if they were calling from the moon. I had decided to go operate live from the Staten Island port with Glenn (N4ESU), where the Coast Guard ships, and the Milwaukee were moored, to add authenticity to the operation. Deciding to go to the tour security checkpoint, while Glenn continued operating, to tell them about us letting the world know via Amateur Radio how happy

Continued on next page.

Portable Ops SIG, continued.

we were that they were back in NYC led to the XO (Executive Officer) of the Milwaukee inviting me for a tour – before they opened to the public, and I even got a glimpse of the secure radio room! I could not go inside as the encryption equipment required Top Secret clearance but at least I poked my head in... As I left, saying I had to get back to the myriad of people waiting around the globe, he thanked me and gave me a staff hat as a gift, and I later got a couple of T-Shirts from the PX.

By Tuesday evening the event had gone Viral, with stations calling non-stop from every direction. It seemed propagation just opened up for us as a “thanks” for doing this. The pileup got so big that I had to recruit members of the Nassau County ARC to activate on Long Island for a few days, also from POTA parks, to offer the greatest potential for calls.

The highlight for me was when I was operating from a park in Staten Island, K-8088, at about midnight on 20 meters (*by this time I had been on the air for twelve and a half hours*) and I hear in the pileup “3D2RRR- 3D2RRR”. I asked all to stop to make sure I was hearing correctly. It was the DXpedition to the rare **Rotuma Island** calling Me! The op said that when he saw me on the DX cluster he had to have the contact and stopped his own madhouse of a pile to make the call to me. Of course, I had him take My own call because, Why Not! Then I said No SASE Required from them, I will spring for the stamp.

On the morning of May 31, I again was positioned under the bridge and activated with narration as the ships began departing the port. A cool thing was when an NYPD marine patrol boat came towards where I was positioned and got to within 20 yards of the bulkhead. Naturally, as a kid from Brooklyn I was anxious but then got a message on my phone to go to 70cm simplex calling frequency if I had an HT. I do keep one in the car, so I fired it up to hear my friend saying, “It’s Me!” as he’s waving from the boat in his flak jacket and dark sunglasses. It turned out it was one of my local Ham buddies (*Whose call is omitted for*

security reasons) who is with the NYPD Counter Terrorism Task Force which was escorting the Bataan out of the Harbor. He stopped by a half hour later to chat on the way back to his clandestine HQ somewhere in Coney Island. This whole event was truly an interesting experience for me that I certainly did not anticipate in my lifetime.

I had the most intense pileup I’ve ever experienced of all the events and park activations I’ve done – though as I was activating the final hour on May 31, again from K-8088 (it is an RF Quiet Zone there), calls were coming in so hard I was grabbing up to 12 calls at a time. When I got to the final 10 minutes, I could barely hear any single character and began guessing “Call with Charlie Romeo? etc..” and of course, there would be 10 voices returning. When the clock rolled to 23:59 UTC, I took one last call and said, “*Th Th That’s All Folks!*” and began the Thank You All closing transmission. When I let the key go – Silence -Ahhh. I lit a cigarette and had some coffee before going home to sleep.

Now, the logs need to get transcribed, and the card requests sorted – and as of this writing I already have quite a number of them.

The stats, as of this writing, without the rest of my own logs (of about 500 more, which I am working on daily), are:

- 2015 calls logged from
- 224 counties in all US States,
- 281 grids in
- 46 countries from
- 17 CQ zones on
- 6 continents.

Calls / Mode = 217 in CW, 1,457 in Phone and 341 in Digital.

Most calls came from Maritime Service vets as well as active duty members, who were thanking us all for doing this for them – which, of course, we were.

Emcomm SIG • ARES RACES

As you should know June 1 – November 30, 2022 is the Atlantic Hurricane Season. NOAA predicts an above normal season. Now is the time you should check your radio(s) and equipment, so you are prepared in the event it is needed.

If you would like to test out your equipment with fellow Hams you can do so during Field Day Weekend, June 25th-26th, 2022. FLARC will be operating out of Memorial Pool Park, Fair Lawn, NJ.

FLARC EmComm SIG has been involved with a Thursday EmComms Net that involves numerous stations throughout the country. It uses WINLINK with associated ICS, Red Cross and other forms to complete a given exercise. FLARC's RMS Station operates on a frequency of 441.300MHz, offset of 600 KHz, PL Tone of 114.8Hz.

Local EmComms Repeaters and frequencies we use during an event are:

W2NPT 145.470Mhz, offset of -600 KHz, PL Tone of 167.9Mhz.

Backup is the NJ2BS 146.835Mhz, offset -600KHz, PL Tone of 151.4Hz.

Simplex backup is: 146.535MHz.

Bergen County NOAA frequencies are: 162.500MHz and 162.550MHz.

Bergen County Skywarn Frequency is 146.700, offset -600KHz, PL Tone 141.3Hz.

Some other useful frequencies that are monitored are:

NJ2PC 146.610MHz, offset -600KHz, PL Tone of 141.3Hz

W2MPX 145.450MHz, offset -600Khz, PL Tone 141.3Hz, and on UHF channel

WA2SQQ 442.00MHz, offset +5MHz, PL Tone 156.7Hz.

To be prepared we suggest you check your primary radio, antenna and have a backup non-commercial power source (Battery, Generator or Solar). Also have a backup radio – either HT or Mobile Rig with alternate power source and

backup antenna.

Other Items you may want to consider are Water, First Aid Kit, Food, Medications, Flashlights and important documents on hand.

It is suggested that supplies on hand should be for a minimum of:

- 3 days to 1 week in Urban areas,
- 1 week – 15 days in suburban areas and
- 15 – 30 days in Rural areas.

For further information please reach out to FLARC or me at N2JLF@arrl.com

STAY SAFE

— Jim N2JLF



<https://www.nhc.noaa.gov/>

2022

Alex
Bonnie
Colin
Danielle
Earl
Fiona
Gaston
Hermine
Ian
Julia
Karl
Lisa
Martin
Nicole
Owen
Paula
Richard
Shary
Tobias
Virginie
Walter

Since 1953, Atlantic tropical storms had been named from lists originated by the National Hurricane Center. They are now maintained and updated through a strict procedure by an international committee of the World Meteorological Organization.

If a storm forms during the off-season, it will take the next name in the list based on the current calendar date. For example, if a tropical cyclone formed on December 28th, it would take the name from the previous season's list of names. If a storm formed in February, it would be named from the subsequent season's list of names.

In the event that more than twenty-one named tropical cyclones occur in the Atlantic basin in a season, any additional storms will take names from an alternate list of names approved by the WMO.

https://www.nhc.noaa.gov/pdf/aboutnames_pronounce_atlc.pdf

Theoretics Demystified

The topic in the last few columns has been magnetism and its properties and what it does, but what is it and what makes things magnetic?

First of all, like gravity we know that it, like gravity is a force but what it is we do not know. However, there is an explanation for why things are magnetic and why other things are not.

All materials experience magnetism, some more than others but things like iron and steel and the newer super magnets are magnetic even at rest and that is called ferromagnetism and that is generally the only kind of magnetism that can be 'felt' by us humans. (It is believed that some animals like some fish, can sense magnetism and therefore use it as a type of guidance system).

Materials like iron and other 'magnetic' materials have electrons, with more electrons that spin in one direction than the other, and this tells us that magnetism is associated with the electrons spin in each material. If the material has electrons that spin equally in 'both' directions, then it is non-ferromagnetic or non-ferrous in nature.

Conversely, when there are more electrons that spin in the same direction, this causes the wave amplitude generated by those majority spinning atoms to be constructive and this produces the magnetic effect. That means that ferromagnetism happens even when the electrons are not being excited by an outside force – think refrigerator magnet! The spinning's of the majority electrons produce transverse waves, like when two people hold a rope and one person shakes it up and down, and again, the waves, when producing constructive (additive) interference create the magnetic effect.

There is much more to this, but this spinning which is always happening with the electrons causes them to be attracted to protons in the atom or you might say that the protons attract electrons.

The spinning of the particle (atom and its electrons) creates the magnetic lines of force outgoing in all direction since the particle is spinning. This leads us to quantum mechanics

Theoretics Demystified, continued

which is another world from the ordinary common everyday physics, therefore the particles that we have been discussing produce transverse AND longitudinal waves! The waves going out from the spinning electron are both longitudinal (electric force) and transverse (magnetic force). Remember that in quantum mechanics, the spinning electron can be a particle and a wave.

Electromagnetism is a result of a current which causes an increase in longitudinal waves and that causes their motion. The electron in motion due to a current being induced, causes it to spin faster no longer cancelling the opposite force of the proton and thereby produces larger transverse wave and thereby current (very simply put). The particles never actually touch but have an influence upon the 'next' particle.

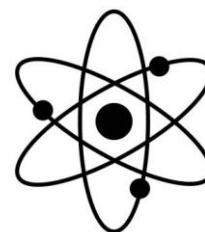
As hams we know that the inducement of electromagnetic spectrum frequencies in the RF region, produce both electrical force and magnetic force waves.

There is a lot MORE to this, but the scope of Theoretics is to take the complicated and boil it down to everyday understanding.

Lastly the cool thing is that electron movement produces magnetism and conductors in a changing magnetic field produce current or electron flow.

Remember that the atoms involved in ferromagnetism have many electrons and that is where the explanation of some with more of a positive charge comes from.

Fred Wawra, W2ABE, 73.

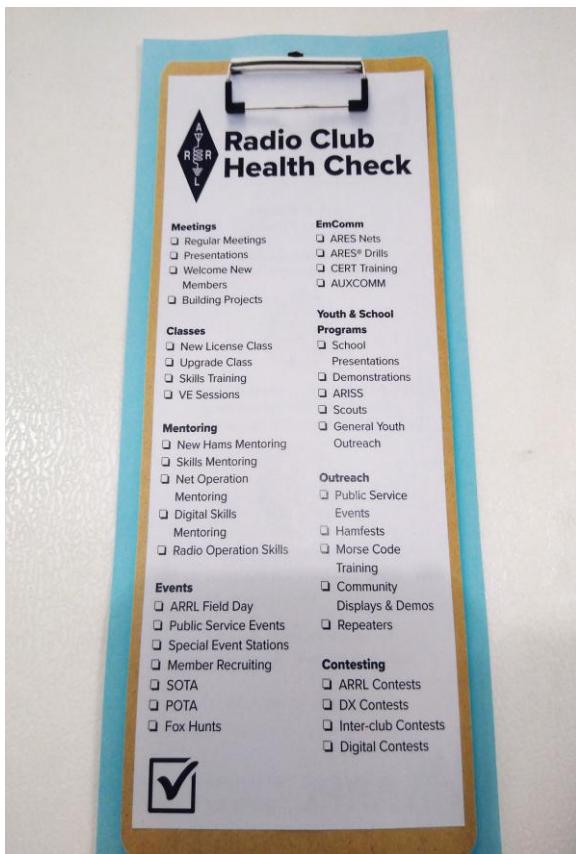


If readers have any questions or comments regarding the explanations in the above article, please contact the author directly at wawra1@optonline.net

What Makes For a GREAT Ham Club?

Lee KD2DRS, ARRL NNJ Club Coordinator, passes this along as a check-list for best practices.

How well does FLARC do? Where does it need improvement? How does it get done??



Order a FLARC Shirt for (Maybe) Field Day!

Nomar NP4H is taking orders for a spiffy bright red (really sort-of maroon) polo shirt for Field Day.

This is a pilot for a possible new vendor and will match our current shirts which are available by mail.

This order is from a reputable local vendor. The price is \$25.00 with your call sign sewn in.

Contact Nomar directly at np4h@aol.com.

Raspberry Pi and Arduino Special Interest Group Update

Rpi-Arduino@FairLawnARC.groups.io

A Special Interest Group SIG for those wanting to learn about and use Raspberry Pi, and Arduino, modules - with special interest, of course, for ham radio projects...

FLARC has a SIG for those who experiment and build Ham Radio equipment with Raspberry Pi and Arduino boards or would like to learn.

Instructions to build a Digital Voice Hotspot with Raspberry Pi for under \$100 are available on the SIG. For any questions or assistance, contact KD2BKD.

There is also a FLARC "raspberry_pi_and_arduino" channel on Slack.

For those interested in joining all the Rpi-Arduino excitement, contact Bob H. by email at KD2BKD@optonline.net for more information.

Or just go to the club website FairLawnARC.org and use the "Join Special Interest Group(s)" link on left.



2022 Member Profiles

Here are this year's member profiles. An index of previous years can be found elsewhere in this issue. All profiles can be found in the newsletter archives on the FLARC website.

| Month | Name | Callsign |
|--------------|-------|----------|
| January 2022 | James | KB2FMH |
| February | Brian | N2BTD |
| March | Luisa | KD2YWX |
| April | Ria | N2RJ |
| May | James | KB2FMH |
| June | Ken | W2SCT |
| July | | |
| August | | |
| September | | |
| October | | |
| November | | |
| December | | |

MEMORIAL DAY 2022

Once again FLARC took the communications lead in this year's Fair Lawn (NJ) Memorial Day Parade on May 30th. With a beautiful day and higher than average temperatures, the club provided the key communications in the flow of the event and the informational needs. This year was a first for FLARC – a float!! A thanks to Brad KM2C for the vehicle (with some bugs who tagged along), which made for an eye-catching display. A thanks to all who volunteered!



The FLARC float with a bevy of volunteers!

Our volunteers:

| | | | |
|--------|--------|---------|--------|
| Fred | W2ABE | Madison | KC2RSS |
| Brad | KM2C | Gene | WO2W |
| Thom | W2NZ | Bill | WA2WL |
| Judith | KC2LTM | Stan | KC2K |
| Jim | N2JLF | Jim | W2JC |
| Noel | W2MSA | Ed | WX2R |
| Skip | KD2BRV | | |



The FLARC Float



The FLARC Float



Gene WO2W tries to get up in the world while others supervise



The FLARC banner flies high atop KM2C's Army vehicle



**Lori & Van W2DLT are hosting:
VANFEST 6**



Sunday July 17, 2021 - Noon to 5

---after the Sussex Hamfest---

Hey Fair Lawn Amateur Radio Club (FLARC), FRC and friends... You're invited - for FOOD-FUN-RELAX-RADIO -whether you are going to the Sussex Hamfest or not...

But, if you are going to the Sussex Hamfest, you're 3/4 of the way to Lori & my home/hamshack at 124 Lakeview Terrace, Hemlock Farms, Lords Valley, Blooming Grove Township, PA (Carpool together from the hamfest - save \$)

To plan & let the gate know ur coming, YOU MUST RSVP by FRIDAY JULY 15th
Cell/text 201-207-3346, House 570-775-0738 or email vanw2dlt@yahoo.com

- Family/Kids Welcome -- we have a large fenced-in deck and gazebo overlooking the lake
- We have a hot-tub on the deck. Swimming in the lake and/or outdoor-indoor pools
- Hiking/Fishing (PA license required - 16 and over - available on-line)
- Ham Radio - OF COURSE! AND A FOXHUNT TOO!
- Bring something to share if you like, not required -
let me know though so we don't end up with 50# of potato salad!

BTW: Lori and Van are triple vaccinated and we have room to social distance here.

Masks optional, since we'll be outdoors most of the time.

DIRECTIONS: From Sussex Hamfest - Turn right on Route 206 North, follow Route 206 past Stokes State Forest. Watch for Route 560 on left (doesn't go to right - vacant restaurant on far left corner). Turn left on Route 560 and cross Dingman's Ferry Bridge. Pay the nice man \$1 and thank him for letting you use his bridge (no EzPass). After the bridge, Route 560 becomes PA Route 739. Follow it 13 miles. You'll see a traffic light and a Weis Market. Just past the light, turn left into Hemlock Farms, keep right up the hill to the gate. Visitor Gate Keeper will provide a map or WAZE app will bring you right to the house. Or, someone can come get you and lead you in, if necessary.

ADVENTURE SOME? If you're feeling adventuresome - after you get your pass at the gate, proceed straight on Hemlock Farms Road about 1/2 mile until you start down a LARGE DIP. At the BOTTOM of the dip turn left on Mountain View Drive. Follow it to the end at Forest Drive. Turn left and follow it until you see a small gatehouse ahead. Before you get to the gatehouse turn left on Lakeview Terrace. Look for 124 Lakeview Terrace (a green house, with lot of cars and balloons around). You're here. I will monitor 146.535 simplex.

YOU MUST LET ME KNOW IN ADVANCE WHO AND HOW MANY ARE COMING (FOR FOOD PLANNING) AND WHO THE DRIVER IS, SINCE HIS/HER NAME WILL BE THE ONE REGISTERED. OTHERWISE YOU MAY BE DELAYED AT THE GATE....

LAST MINUTE DECISION?

THAT'S OK TOO, BUT YOU MUST LET ME KNOW, AS SOON AS YOU KNOW YOU'RE COMING.



For FLARC membership info
and renewal/application form
please visit:
membership.FairLawnARC.org

FLARC Dues, new and renewal, (and even donations!) can now be made on-line ...

[Please note that this is a temporary improvement while Dave KD2JIP works on a real, full-fledged web page for filling out the membership/renewal form and submitting that and payment on-line.]

Payments can be made using either PayPal or Zelle.

Here's how –

Using PayPal —

Log into your PayPal account at

<https://www.paypal.com>

At top right, select "My PayPal"

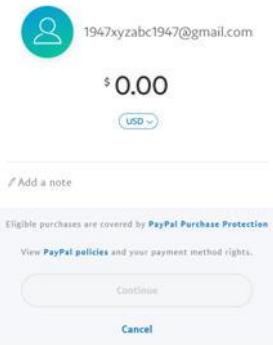
Under Quick links, select "Send Money"

In the window showing
Name, email or mobile number
enter this email address:

1947xyzabc1947@gmail.com

Click on [Next]

Enter \$ amount you
are sending, & in
"add a note" area
type in your CALL
SIGN and which
year (2020 or 2021)
the dues are for, &
any other explanation.



Click on [Continue]

Click on the [Change] button

Click on "Sending to a friend" link

CONTINUED IN NEXT COLUMN →



Sending to a friend

No fee to use bank or balance to send to
friends and family in the U.S.

You will see a summary of your transaction;
if no changes are required, click on

[Send Payment Now]

to complete your transaction.

\$

Using Zelle —

If you are using Zelle through your bank
account, just send your dues to the following
number: 201-240-9317

Don't forget to add in the note/message
section your callsign and that it is for your 2020
and/or 2021 dues.

OR you can still use a good ol' Check or
Money Order payable to FLARC - always put
your Call Sign and "dues for 2020" (or 2021) on
the check. MAIL TO:

Bruce Kalogera, NJ2BS
163 Meadow Lane
Secaucus, NJ 07094



Fair Lawn Amateur Radio Club

*Fair Lawn Recreation and Community Center
10-10 20th Street
Fair Lawn, N.J. 07410*

MEMBERSHIP/RENEWAL FORM

Name _____ Call _____

Address _____ PO Box _____ Ste./Apt #_____

City _____ State _____ Zip _____

Roster Published Phone # _____ Unpublished Phone # _____

Roster Published EMAIL _____ License class: _____

ARRL Member ? RACES Member ? ARES Member ? CERT ? VE ?

Additional Family Members (In same household) —

Name _____ Call _____

Name _____ Call _____

Introductory and Student Membership \$ 20 \$ _____

(Students under the age of 18 eligible for student membership)
(Introductory membership open to new members
or not a member in last 7 yrs)

Associate Membership * (No Fee)

* Open to Fair Lawn Residents Only. No voting rights or other privileges.

Renewal of Current Membership \$ 25 \$ _____

Three Year Renewal Incentive \$ 65 \$ _____

(Single memberships only, family memberships excluded)

Additional Family Members # _____ at \$ 5 each \$ _____

Life Membership \$ 625 \$ _____

Senior Life Membership (65 yrs. of age or over) \$ 250 \$ _____

Equipment Fund Donation, above regular membership dues \$ _____

Total submitted \$ _____

Date _____

I hereby acknowledge the By laws and rules and regulations of the club and will abide by them as amended

Please Note: Memberships are NOT Pro-Rated. Membership is from Jan 1st to Dec. 31st of any given year unless documented otherwise.

Please make your dues check payable to the "Fair Lawn Amateur Radio Club" and remit to the following address:

Fair Lawn Amateur Radio Club

Bruce Kalogera NJ2BK

163 Meadow Lane

Secaucus, NJ 07094

Mail sent to the clubhouse will be delayed due to
Covid. See website for other membership options.

June 2022

FLARC Business Meeting Minutes

Fair Lawn Amateur Radio Club
Secretary's Minutes Prepared by David KD2MOB

Business Meeting of June 3, 2022

The Meeting was called to order by Nomar NP4H, at the Fair Lawn Community Center. The meeting was held via Zoom video teleconference as well and began at 7:30 PM and concluded at 8:11 PM.

The Pledge of Allegiance was recited at 7:31 PM

Nomar NP4H facilitated a roll call and a quorum was established.

President - Nomar Vizcarrando, NP4H

V. President - David Corsello, KD2JIP

Treasurer - Bruce Kalogera, NJ2BK

Secretary - David Gotlib, KD2MOB

Trustees (3) - Ed Efchak, WX2R

Fred Wawra, W2ABE

Brian Cirulnick, KD2KLN

Opening remarks by Nomar NP4H.

Tonight's meeting is a free format.

Health and Welfare - Judith KC2LTM

Nothing new to report.

Marketing Committee - Ed WX2R -

Programming -

- June: 17 Gordon Beatty W2TTT Setting up a ham radio station
- June: 22 Frank Donovan W3LPL 6 meter propagation

Events -

- Field Day - Last weekend in June
- POW-MIA Recognition Day : Sept 16th, We will participate as K4MIA/2 with our sister club in West Palm Beach

Continued on next page.

June 2022 FLARC

Business Meeting, continued

- Street Fair: June 12th
- Thank you for participating in Earth Day at Great Falls National Park.
There were 17 volunteers and we made 150 QSOs.

Technical Committee - Paul W2IP - The repeater antenna arrived. We are ahead of schedule.

Nomar NP4H asked if there are any members who assisted in installing the antenna three years ago. We will be looking for members to assist in installing the repeater antenna in the not too distant future.

FLARC Hamfest - Gene WO2W - Hamfest related details were discussed including food, refreshments, tables, chairs, and wristbands.

Nomar NP4H stated that the shirts are ready in time for the hamfest for those who ordered them.

Bennett KO2OK requested reimbursement for two aluminum brown tubes (poles). The quote is for \$324.69. A motion on the floor was presented by Bill WA2WL. Steve WI2W seconded the motion. A vote was taken and the motion carried unanimously. Bruce NJ2BK was directed by Nomar NP4H to reimburse Bennett WA2DH in the amount of \$324.69.

Field Day - Noel W2MSA

- Four laptops were purchased. Noel will be checking the conditions of tents which will be utilized. Additional money may be necessary for additional expenses on top of those already spent.
- A motion by Steve WA2BYX was made on the floor to set aside up to \$1,000 for additional expenses related to Field Day on top of anything already spent. This was seconded by Dave N2AAM. The vote was taken and the motion carried unanimously.

8:11 PM - Motion to Adjourn -

Motion to close the meeting by Noel W2MSA, Seconded by Bill WA2WL.

Respectfully submitted on June 4, 2022

by David KD2MOB. 73.

Past FLARC Member Profiles

Here is a list of past member features and we welcome your recommendations for new profiles -- including your own.

| Month | Name | Call Sign |
|--------------|----------------|-----------------|
| January 2016 | Pete | KB2BMX |
| February | Marco | KC2ZMA |
| March | Ron | KC2TBD |
| April | Kai | K2TRW |
| May | Larry | WA2ALY |
| June | Dave | N8MAR |
| July | Steve | WI2W |
| August | Thom | W2NZ |
| September | Brian | KD2KLN |
| October | Brad | KM2C |
| November | Al | WA2OWL |
| December | George | W3EH |
| January 2017 | Fred | W2ABE |
| February | Dave | KD2MOB |
| March | Randy | WU2S |
| April | Lee | KD2DRS |
| May | Gene | WO2W |
| June | Carol | KD2NMV |
| July | Kevin | KC2KCC |
| August | Robert | KD2NOG |
| September | Robert | KD2BKD |
| October | John | KD2NRS |
| November | Fred | W2AAB |
| December | Margaret | W2GB |
| January 2018 | Brian | KD2OAZ |
| February | Bennett | KO2OK |
| March | Van | W2DLT |
| April | Aly | ALØY |
| May | Bruce | NJ2BK |
| June | Dave | N2AAM |
| July | Karl and Susan | W2KBF and W2SKT |
| August | Steve | KA2YRA |
| September | Paul | K2PJC |
| October | Skip | KD2BRV |
| November | Jim | W2JC |
| December | Tom | N2AAX |

By the way, Randy (WU2S) has compiled a binder of all back issues of *The Resonator* and it's located in the club office.

Thanks Randy!!!

2019-20 Member Profiles

The year is now complete and here is a list of the 2019 monthly profiles. See past profiles elsewhere in *The Resonator* to check back in the archives to see each featured member's background.

| Month | Name | Call Sign |
|--------------|---------|-----------|
| January 2019 | Dave | KD2JIP |
| February | Jim | K2ZO |
| March | Zach | KC2RSS |
| April | Bob | N2SU |
| May | Stan | KC2K |
| June | Steve | WA2BYX |
| July | Roger | K2RRB |
| August | Judith | KC2LTM |
| September | Chris | W2TU |
| October | Bob | N2SU |
| November | Bob | WA2ISE |
| December | Carol | KD2NMV |
| January 2020 | Gordon | W2TTT |
| February | Chris | KD2JQZ |
| March | Glenn | KD2MDR |
| April | Steve | K2SAB |
| May | Ahmed | NJ8Y |
| June | Charlie | AC2ZU |
| July | Jim | N2JLF |
| August | Walt | K3DQB |
| September | Gregg | N2ECH |
| October | Jim | W2KNG |
| November | Dave | KD2SGM |
| December | Bill | NB1ILL |

2021 Member Profiles

Here is a list of the 2021 monthly profiles.

| Month | Name | Call Sign |
|--------------|--------------|------------|
| January 2021 | Ed | KD2TVT |
| February | John | W2USN |
| March | Noel | W2MSA |
| April | Gene | KD2VNI |
| May | Berlotte | KD2MYF |
| June | Noel | N2OEL |
| July | Roy | KD2VMX |
| August | Jeremy | K2GRI |
| September | Bill | WA2WL |
| October | Nomar | NP4H |
| November | David | AC2GL |
| December | Paul Brennan | N6FB/MØJOV |